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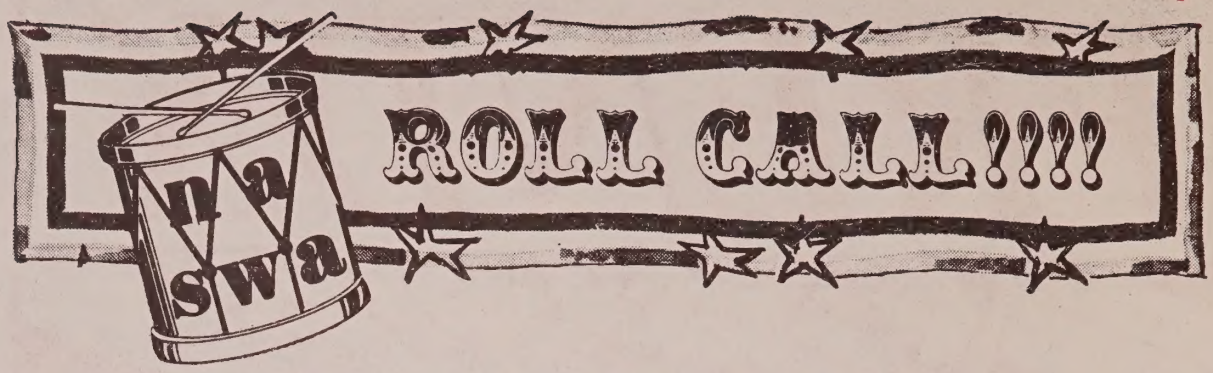
FRENDX

JULY 1979



ACKERMAN, Robert H.,Cambridge, MA
ADAMCZYK, Frank F., Bristol, CT
AVENT, Steven K., Oregon City, OR
BARTOLOMEO, Marc D., Lake Jackson, TX
BEAZELL, Randy, Waynesburg, PA **
BERGQUIST, Frank, Leesville, LA
BINGHAM, Roy M., F.R. of Germany
BLACK, Steven T., West Hartford, NY
BLACKBURN, Dan J., Saginaw, MI
BLAKE, H.M., Isleton, CA
BOEHNKE, Charles C., Los Gatos, CA
CARTER, C.J., Jr., Bristol, VA
CAVINESS, Perry A., Asheboro, NC
CRAWFORD, David E., Edgewater, FL
DURNAVICH, Carl, Harvey, IL
EUSTATH, W.C., Lynnwood, WA
EVANS, Thomas D., Jacksonville, IL
FELTMAN, John, Allentown, PA
FRICK, Frank S., Albion, MI
GELLER, Larry S., Tokyo, Japan
GIBSON, Edwin A., Indianapolis, IN
HANES, Ronald D., Craig, CO
HELFEN, Mark, Los Angeles, CA
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HUNT, Joel A., Bloomington, IN
KJELLGREN, Lars-Gunnar, Hultsfred/Sweden
KOREN, James, Chapel Hill, NC **
LARMER, Robert, Wenonah, NJ
McKENNA, Peter J., APO New York
MELNICK, Jim, Chicago, IL
MOBARAK, Reza, Little Rock, AR
MOHR, Charles, Port Chester, NY **
RAJANEN, Gene, Duluth, MN
REEVES, Holton, Houston, TX
REYNOLDS, Alfred, Oklahoma City, OK
SOBELMAN, Dr. Gerald, Somerville, MA
SORENSEN, Morris, Leaf Rapids, Man.
SWAIM, Walter R., Cooper City, FK
TACOMA, Scott C., La Meas, CA
TROLANDER, Hardy W., Yellow Springs,OH
VIETMEYER, Noel, Lorton, VA
VON THOMA, Baron, Toledo, OH
WHITE, John, Mabel, MN
WILKIE, James S., Columbia, MO
WILKINSON, Walter B., Evergreen, CA
WITT, Greg, Chicago, IL
YAMADA, Miyuki, Flushing, NY
YINGLING, Edward C., Hanover, PA

** Welcome back to NASWA after a short absence!

* *

We welcome the 48 new members listed above who have joined NASWA in time to receive the July FRENDX. Apparently, the arrival of the summer months has not been conducive to prospective new members since our list is much shorter than it has been for several months. We do hope all of these new members do find their memberships to be helpful to them and that they will find time to take part in future NASWA affairs.

In the past, space limitations has prevented us from any acknowledgement of membership renewals even though renewals do play a most important part in the fact that NASWA can continue. We do have two recent renewals which are certainly worthy of mention. First, we acknowledge Bill Matthews' renewal for his 14th year in NASWA, and also Hank Michalenka's renewal for his 13th year. Bill is in Columbus, OH, and Hank is in Johnston, RI. NASWA was founded in late 1961,so it's evident that both of these gentlemen have been around since it's earliest days. Both have been past members of the FRENDX staff, and active in NASWA affairs. We appreciate their having called our attention to their tenure, otherwise we may not have been aware of their continued loyalty.

also is not likely to go rooting amongst old logs, if they even keep program logs, to compare details in your report with the broadcast. It's a waste of time, so type that veri letter, zip it in the mail, and there is one more satisfied gringo (or whatever). Speaking of program logs, I really doubt if most of the small commercial stations in Latin America, the small Indonesians, and even some of the larger official stations in the Third World (most of what we call DX) keep then in detailed form. The stringent requirements in this area here in North America are hardly universal (and I've known more than a few U.S. stations that were cavalier in log keeping). There are exceptions. Radio Vila and the Falkland Islands Broadcasting Service, to name two, are known to keep very detailed program logs right down to the titles of discs played, to which all reports are compared diligently. On the other hand, these stations are not exactly buried under reception reports, and in any case, they are exceptions.

If you are a veri-hunter, what this means is that long, detailed summaries of programs and lengthly descriptions of reception quality are so much extra verbiage. When taking details, the best items are those that will be readily recognized by anyone at the station: names of advertizers, on-air personalities, program titles, and exact texts of station identifications and slogans. As far as reporting reception quality goes, small stations do not expect to be heard well over great distances, so you're not telling them anything new when you say it was tough copy. Chances are they have a hard time being well heard five miles away, not to mention five-thousand. If conditions were really unusual, do mention the fact, but don't lavish praise on the audibility of their signal as it only insults their intelligence.

If, and only if, you have the linguistic skill to intelligently discuss the programs heard, add comments on the subject of the broadcast. If you understand Spanish or Portuguese, or at least enough to pull out what is being said, you have a distinct advantage here in North America. If you can accurately quote some part of the broadcast and state your reactions to it, if any, they'll love you because they will know they have done a real service; transmitting information about their country from them to you. This is the reason radio stations exist, not as some in the hobby seem to think as merely a source of nifty souvenirs. QSLs can be a neat adjunct of the shortwave hobby and are fine as such, but they shouldn't become the sole reason for tuning the bands.

If you do like to collect verifications, you will sooner or later have to take steps to tilt the Courtesy Factor in your favor by unsing it yourself. This means learning enough of the language and culture to understand what is going on. You listen, if possible, many times to the station's programs to learn something about them and where their heads are at, and before you know it you've become one of those much-maligned SWLs - listening for program content and not just for report details. I think that just collecting paper is like collecting anything else, stamps, antiques, rocks, bugs, QSLs . . . it's all the same. But listening and learning is more than a hobby, it's what life is all about, and it's certainly more important than an activity that does nothing to improve the planet or your mind.

Lest I be pegged as just another renegade DXer turned subversive SWL, let me add that there is perhaps one acceptable justification for writing reception reports; they can lead to correspondence with someone at the station or someone who heard your name and address mentioned on the air. I will never forget the young officer in the Pakistani Army who wrote me from the camp where he was interned in West Pakistan. He was from East Pakistan, now Bangladesh, and had the misfortune to be stationed near Karachi when the civil war broke out, thus his internment. We wrote back and forth for almost a year about politics mostly, and the relationship between the developed and developing worlds, and all because he had heard my address over Radio Bangladesh after I sent them a report. After about a year he was finally repatriated to Bangladesh and his first letter from Dacca was a joy to read. Equally as heart-rending were his next two letters, which were to be our last, as his disillusionment with the squalor and corruption in his homeland found expression. He and his countrymen had fought a vicious war, he said, and for what? I do not know what happened to Lt. Feroz Anwar. He may have been imprisoned or killed for publicly expressing his disgust with the government. I will probably never know, but it was an honor to have known him even for so short a time. That QSL from Radio Bangladesh means more to me because of our correspondence than mearly an acknowledgement of reception. A human being is the most valuable thing in the universe. Through my radio I found such a being and called him friend.

* *

Receiver

THE ULTIMATE DXING, LISTENING, MONITORING, NOVICE-TO-NU GENERAL PURPOSE RECEIVER

by Ken Duke, 5038 Bridgeport Rd., Columbus, OH 43220

In recent months, FRENDX's Shortwave Center has carried articles comparing different

receivers and commenting on the virtues and vices of so doing, i.e., Bill Whitacre's article comparing the Racal RA-117, 17 17X, 6117 (or whatever the number is) to the R-390A and the R4B (August, 1978), Alan Thompson's comments on Bill's comparison (October 1978), Bill's comments on Alan's comments (November, 1978), and Duke's article comparing the R-4C to the MacKay Marine 3010C (July, 1978). Since my year-old article implicates me indirectly in this series of comments, I feel obligated to comment on the comments-on-comments as well as the comments themselves, albeit in a lighter, benign manner with no criticism whatsoever intended of either Bill or Alan. In fact, I agree with both of them.

The issue centers on the difference between the use the designer had in mind for a receiver and the actual use of that receiver by shortwave listeners/DXers/monitors. Alan makes the excellent point that some receivers, such as the R-4B was designed for DXing and others for monitoring. However, as Bill pointed out, the shortwave fan, out of necessity, may put a receiver designed for one aspect of Shortwave listening to use for a different one and it may do an excellent job at this "non-intended" use. The R-4B was designed as a DXing rig for amateur radio operators, not shortwave listeners; but with auxiliary crystals it does a very good job on the shortwave AM broadcast stations. FRG-7s, designed with broad selectivity and good audio for the more casual listener, are routinely used for DXing and serious listening. As Alan and others I have talked with point out, it is probably unfair and inaccurate in an absolute sense to compare a receiver designed for one purpose to one designed for another. However, there are no receivers designed expressly for the use to which most SW listeners put them. All of us are using radios designed, at least in part, for some other type of use. In addition, each NASWA member is unique in his use of equipment; features critical to my satisfaction are likely to be different from yours. For example, take four receivers -- an R-4C designed for ham band DXing, an FRG-7 designed for moderate cost multipurpose usage, an R-390 A designed as a monitoring and communications receiver for the military, and an HQ-180 designed as a boat anchor (at least so claimed by many). Place the four side-by-side, hook them up to an antenna, and ask four NASWA members to pick the best receiver. The first NASWA-ite is an ardent DXer with at least 375 countries to his credit - a true NU. He picks the R-4C because of its excellent selectivity and sensitivity. The second is a general purpose listener who enjoys program content. She picks the R-390A because it is general coverage, able to handle strong signals, and very stable. The third is a novice, new to the hobby, who picks the FRG-7 because of its ease of use and excellent audio. The last is a rich DXer who also is a boating enthusiast. He selects the R-390A because, in addition to a good DX receiver, he needs a new anchor for his yacht and while not specifically designed for that use, the R-390A outweighs the factory-designed anchor (HQ-180) by 30 lbs. and will do a better job. None of the radios were ideally suited to the listeners' needs. Nevertheless, given those four receivers, the panel in fact compared them and made a judgment according to their own individual standards.

This is the circumstance we all face in choosing our equipment. We have a limited set of possible receivers to select from -- limited by availability, cost, our performance requirements, etc. None are perfectly matched to our needs and we choose from those available to us irrespective of their designed use. I believe it is necessary to make comparisons such as those in Bill's article if the proper choice is to be made even though such comparisons in an absolute sense are not appropriate. I find such comparisons as well as reviews of individual pieces of equipment, very helpful in trying to make that choice. I personally look forward to seeing such articles in Shortwave Center and plan to contribute as I can.

* *

Drake R-7

AN "ON PAPER" PREVIEW OF THE NEW DRAKE R-7 GENERAL COVERAGE RECEIVER

by Bill Whitacre, 2609 Devonshire Ave., Lansing, MI 48910

Ever since last year's Dayton Hamvention there has been rumors about the now famous and yet to be released Drake R-7 receiver. This is a companion to the now year old TR-7 tranceiver, also previewed at last year's Dayton Hamvention. The TR-7 is Drake's attempt at keeping up to date with the needs of hams and the large market out there. The TR-7 has done that and more with its revolutionary ease of operating and "wide-band" coverage. Those who have had the chance to check out the receive section of the TR-7 have been favorably impressed and a review in the May 1979 issue of QST magazine has some very nice things to say about the TR-7. It is with this successful predecessor that the R-7 comes forth as the first self-contained general coverage receiver made by Drake since the DSR-2. Drake has tried, and to a very large extent succeded to bring all the things that an amateur, and serious DXer, would conceivably want in a receiver. Some of these features include: 100% solid state design; fully synthesized, with the DR-7 digital board you get complete coverage over the range of 0 to 30 MHz; a new "up-conversion IF design technique yielding improved image rejection and strong signal handling;

a builtin 10 dB pushbutton wideband amplifier above 1.5 MHz (just like having a builtin preamp); separated mode and bandwidth switches for "all-mode/all bandwidth" performance, new AM detector using "synchro-phase" technique for low distortion on AM and improved inteligibility of thightly filtered AM signals, return of the "full" pass band tuning which made the R-4B so popular and the R-4C so much less popular, three selectable AGC time constraints, antenna switch/splitter on front panel, digital readout accurate to ± 100 Hz, builtin speaker, 25 kHz calibrator, low level audio output for recording, NB-7A noise blanker - one that really works, and Auz-7 auxiliary frequency board (more on this later).

With this impressive compliment of features what more need we hear?? Well things are not so simple as they seem on the surface - this is especially so when evaluating a receiver on paper. There are some "ifs, ands, and buts" that must be added to the above to convey the real situation however. The best way to see where these come up is with a trip through the specifications outlining the important points.

FREQUENCY COVERAGE: The R-7 alone will not give you general coverage and neither will it give you digital readout! The DR-7 unit must be added and allows you digital readout and truly general coverage (0 to 30 MHz) with no gaps. The stock R-7, without the DR-7 will cover: 0.01-5.5 MHz (except 2.0-2.5 and 4.0-5.0 MHz), 7.0-7.5, 14.0-14.5, 21.0-21.5, and 28.5-29.0. Remember for the extra $195 for the DR-7 module you turn your basically ham-band receiver into a truly general coverage wonder!!

AUXILIARY FREQUENCIES: No doubt most of you have heard of the famous Japan Radio NRD-505 with its impressive memory system which allows you to tune in any of 4 different, front panel programable frequencies at the push of a button! It was rumored some time ago that the R-7 would have a similar system in the Aux-7 option. This is not the case. To quote from the Drake spec-sheet; the Aux-7 allows one to choose "up to eight crystal-controlled fixed frequencies within the 0-30 MHz range with the Aux-7 board. Proper 500 kHz range for the desired fixed frequency is also programmed into Aux-7." What this seems to translate to is that the Aux-7 is capable of automatically, at the touch of a button, tuning in any one of 8 pre-selected (by crystal) fixed frequencies. Whether the digital display will also automatically revert to that frequency is not clear, but one can optimistically suspect that it would! Note that this is not nearly as flexible as the NRD-505 in that you must have a crystal in hand in order to "program" the Aux-7 for a particular frequency.

SENSITIVITY: As one might expect, the sensitivity ratings for the R-7 are quite impressive. They range from as low as 0.2 uV for 1.8-30 MHz on SSB to 4.0 uV for 0.01 to 1.5 MHz on AM. The excellent sensitivity is impressive enough, but the most impressive part is that the difference in sensitivity on AM or SSB between the 0.01-1.5 MHz and 1.8-30 MHz sections is so small. Look at most general coverage receiver specifications and you'll see what I mean. It is common practice that on most general coverage receivers, the LF/MW (anything below 1.5 MHz) is added as an after thought or as a selling point (or to meet government bid specifications) and therefore suffers from lack of sensitivity. While you're at it, truly excellent general coverage receivers like the Collins 51S-1 and National HRO-500 both suggest use of an external preselector for "up-to-snuff" performance of their receivers below 1.5 MHz. This illustrates my point. In the range from 1.8 to 30 MHz on AM the R-7 boasts a sensitivity of 2.0 uV for a 10 dB S+N/N and with the 10 dB preamp in the circuit things get even better with 1.2 uV for a 10 dB S=N/N ratio! And as noted above, things aren't much worse on 0.01-1.5 MHz with 4.0 uV sensitivity. Though only time and adequate listening tests will tell, these are truly impressive specifications.

SELECTIVITY: Here is another new and welcomed feature in the R-7. If you are at all familiar with the R-4C you'll remember that the only filters available for AM on it were either 4.0 or 6.0 kHz from Drake, although one could spend $75 and get a truly fine filter from Sherwood Electronics for 2.3 kHz. This gross oversight by Drake was caused since the SSB/CW portion of the circuit and the AM section of the same circuit were operating at different characteristic frequencies - in other words, the filter that was used for SSB couldn't be used in the AM mode! This problem has been rectified in the R-7 to allow again truly "all mode/all bandwidth" operation. In otherwords, for the SWL, you can use any available bandwidth in the AM mode! Now the "stripped stock syndrome" comes into play though. I remember when the SPR-4 and later the R-4C came out, I laughed because, like car makers, these receivers came"stripped" and nearly everything you wanted seemed to be an "option"-available at considerable extra cost. Unfortunately this seems to be the trend in radio manufacture today, since it enables the manufacturers to charge more for their radios while they come less sell equipped for reception than their predecessor. A case in point is the R-4B, which came all ready for operation except for crystals and the R-4C which is ready for almost nothing until you get some other filters and crystals and a noise blanker. Some of this can be justified though as the filters and noise blankers being touted toaay as options are far superior to those used in years gone by, thereby making them more expensive to manufacture. So then it should come as little surprise to you that the R-7 comes stock with only one filter,

the 2.3 kHz filter! Saddening, but not surprising. A list and the specs for the filters available are listed below. Please NOTE, all filters except the 2.3 kHz are OPTIONAL at $52 a throw!!

Filter	-6 dB width in Hz	-60 dB width in Hz	Shape factor
SL-300	300	700	2.33/1
SL-500	500	1100	2.2/1
SL-1800	1800	3600	2.0/1
SL-2300 (stock)	2300	4200	1.83/1
SL-4000	4000	8000	2.0/1
SL-6000	6000	Not specified	probably 2/1

These are some very impressive specifications, but remember, a good listen is worth a lot more than specifications. But, according to Drake, we won't have any first-hand, owners reports on this one until Fall 1979, at least.

Of course image rejection, AGC performance, strong signal handling specifications are equally as impressive. Also, although it wasn't mentioned in the features section and isn't even mentioned in Drake specifications, there is a notch, as usual, and even if it only works as well as their past efforts, it will be more than adequate. A few other important features worth mentioning again are these: 1. The unique antenna switch on the front panel with associated 50 ohm splitter on the rear panel which allows you to use two different receivers at the same time off the same antenna, 2. specifications call for a full 2.5 watts of audio power and the usual 10% T.H.D., but I'll bet the audio has got to be better than that on the R-4B/C, and 3. The DR-7 unit doubles as a regular frequency counter for any experiments or tune-ups you care to use it for.

Because of the new"broadband design" Drake has used in the R-7, tuning is accomplished with only two knobs. You select the band with the "Band" knob (very appropriately named, hi!) and the tuning knob! No preselectors to constantly keep peaking. The digital readout will tell which MHz range you are in when you get there.

The R-7 was first noted at the DaytonHamvention last year and was then supposed to be coming out that following fall, later its target date was moved ahead to this spring and now Drake's own latest estimate is that it won't be out until the fall of this year! This kind of musical dates indicates that either Drake is having a hard time getting this receiver ready on time or that they have some technical problems to iron out yet. Whatever the case I know I'm looking forward to the coming of this receiver and I know I'm not alone. At least one NASWA member from Columbus, OH, has a standing order in with Slep Electronics for the first one they get in stock - so maybe we'll have a first-hand owner's report then. One last thing: the list price of the R-7 will be $1295, but that includes the DR-7 unit also. Without the DR-7 you can get one for $1100. The NB-7A noise blanker will be $90, the Aux-7 will be $45 and as mentioned before, each optional filter will be $52! So then this will surely not be a "poor mans" receiver. But take heed, I remember the days when you paid $100 for a hand-held caclulator; so . . .

* *

USSR

VERIFYING THE RUSSIANS

by Al Sizer, New Haven, CT

Verifying Russian transmitter sites which have programs in English is no problem at all and doesn't even require return postage. About the only difficulty that may arise is if the QSL card lacks the transmitter site designation and this defect can usually be remedied by returning the card with a note pointing out the omission.

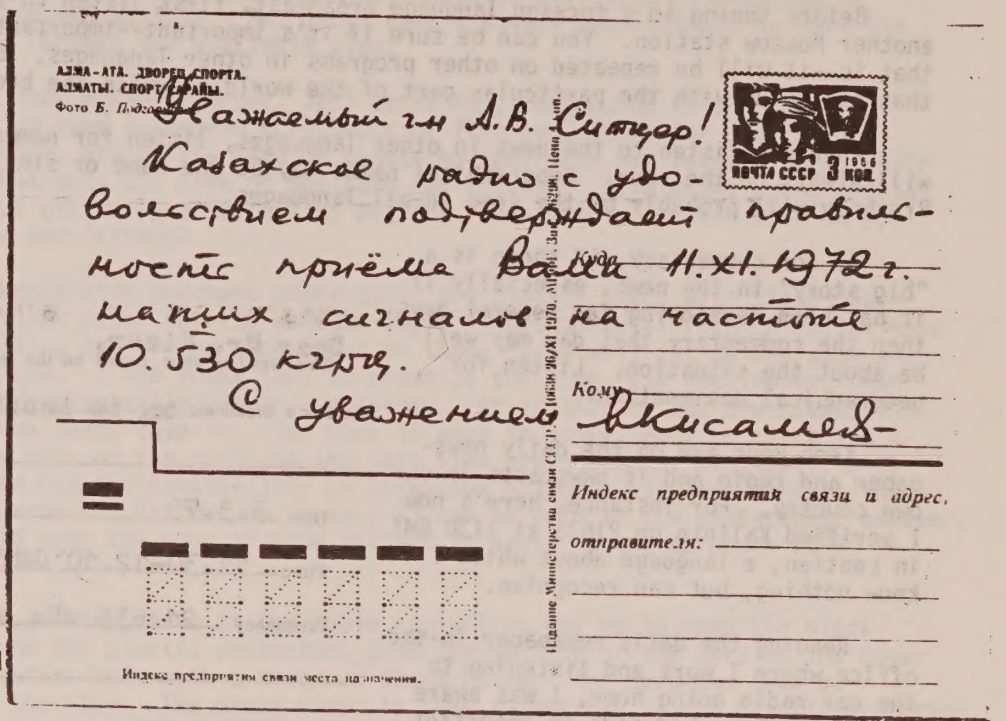
Occasionally Moscow may insist they don't broadcast on the frequency you have reported (especially if it is a "feeder") and that's something you can't do anything about. Forget it. Don't dispute it.

But eventually the DXer seeking as many site QSLs as possible will hit a dead end -- no more English programs he hasn't verified. What to do?

The DXer can sit back and hope that a schedule change will shift an English program to a new transmitter site, and sometimes that does happen. For years it was impossible to verify Leningrad on an English program but all that changed this year when the site became available in the new Moscow World Service, 11755 kHz. Barring waiting for schedule changes, which may not help, what can be done about non-English broadcasts from as yet unverified sites?

If in Russian, the problem is difficult and chances of success slight. There are two possibilities.

First, you can send your reception report directly to the transmitter site (if you think you know what it is). This might work and it might not. Probably the latter. But it has at times worked to Baku, Kiev, Frunze, Alma Ata, Tashkent, and Dushanbe, among others. You might try a Russian language report form, although they are not easy to use, and enclose mint stamps. IRCs are no good in the USSR.



This Alma Ata QSL in Russian shows that sometimes a direct report to a transmitter site is successful.

The other way to verify a Russian program is to ask the verification signer to do you a favor, make an exception for you. This seldom is successful, but has worked for some. You'll stand a far better chance if you include a report on a Russian program among several on English Broadcasts and if the verification signer recognized your name as a veteran, frequent Moscow program reporter.

Although Russian is a problem, you can verify Moscow programs in other languages providing you can identify the language and are able to compile a report on what you heard. Is this possible if you do not know the language involved? Yes.

First, you can tape the program and have someone--perhaps at a nearby university -- give you a summary of what is in it. Then compile your own report in English. It is not necessary to write the report in the language heard--Moscow has many staffers who can read English. (But don't think it might be better just to ship the tape off to Moscow--the staff simply doesn't have time to play listeners' tapes.)

Secondly, you may be able to compile a report Moscow may find quite adequate without knowing the language at all. How? One advantage going for you is that most Radio Moscow programs, regardless of the language spoken, follow a fairly rigid format. If you listen to their English programs for awhile you will soon know your way around. News almost always on the hour. Often on the half hour, then commentary.

When you hear a man's and woman's voices alternating in fairly fast diction, you may be sure you have the news. News is often followed by commentary, which may come from

Mr. A.V.Sizer;
367 Orange St.
New Haven, Conn.
U S A

This verifies your report on the reception of Radio Station "MAYAK" in Russian via Baku

Date December 20, 1970

Time 04:15-05:00 GMT

Frequency 6110 Kcs.

Best wishes from

RADIO MOSCOW

Russian speaking programs are difficult but not impossible to verify

a station staffer, a correspondent or Pravda. This might last until 15 minuites after. The rest of the half hour may be occupied by music, which is easy to identify as instrumental, popular, classical, folk songs, etc.

Before tuning in a foreign language broadcast, first listen to the news in English on another Moscow station. You can be sure if it's important--important to the Soviet authorities, that is--it will be repeated on other programs in other languages. Especially if it's a topic that has to do with the particular part of the world to which the broadcast is beamed.

When you listen to the news in other languages, listen for names. Names like Brezhnev will always be the same. Geographical names may be the same or similar. An item about Brezhnev will probably be the same in all languages.

As for commentary, if there is a "big story" in the news, especially if it has been developing for several days, then the commentary that day may well be about the situation. Listen for geographical designations.

Keep your eye on the daily newspaper and radio and TV newscasts in our own country. For instance, here's how I verified Kalinin on 21635 at 1130 GMT in Laotian, a language about which I know nothing, but can recognize.

Reading the daily newspaper in the office where I work and listening to the car radio going home, I was aware Leonid Brezhnev had made an important foreign policy statement from the Kremlin and I learned his position on several global matters.

Dear Mr. Sizer,
This verifies your report on the reception of Radio
Moscow's broadcast ~~in Laotian & Vietnamese~~

Date 3.3.79

Time 11.30-12.10 GMT

Frequency 21.635 mHz via Kalinin

Best wishes from
RADIO MOSCOW

You can verify foreign language broadcasts if you try

Next morning, before work, I tuned in Kalinin in Laotian. The news featured Brezhnev's name, also some other items I was able to identify. The 10 minuite newscast was followed by 20 minuites of talk in which Brezhnev's name was frequently heard. It took no genius to decide they were summarizing his talk and from the occasional changes in voices, I realized they were inserting his tape remarks from time to time.

My English report to Moscow on this Laotian broadcast was quickly verified as Kalinin, my 54th site confirmed.

Another help in reporting on foreign language programs is that Radio Moscow puts out program schedules which tell when you will hear standard features. For instance, if you consult the Spanish program guide for Latin America you will find that "En la Orbita Latino Americana" is scheduled at 0300 GMT and furthermore that in consists of "notas, comentarios y charlas que enfocan los sucesos del mundo y, especialamente, el acontecar en America Latina." Or consulting the English program for South Asia you will find that "Our Mailbag" program is scheduled for 1600. Very helpful, these schedules.

Some further tips on Russian verifications -- use the forms Radio Moscow sends you and fill in all the blanks, including the ones for questions you would like to have answered and what is your favorite program. Using the forms is a big help in reporting on foreign language programs--there isn't much room for program details. Hence you don't have to have too much information to report.

If you follow some of the suggestions above, I'm sure you'll find your Russian verification total climbing above the 40 mark. And that's very good when you consider that only 66 sites have been confirmed by all the North American DXers together.

* *

THIS & THAT

I have received a number of short items recently and will share some of them with you

QSL DISPLAY TIP. Leslie Byron, 128-10 237th Street, Laurelton, NY 11422 notes that he uses "Ziplock" plastic bags for storing QSLs. He suggests the large bags which are 12" x 10½" and are large enough for letters. These cost about 89 cents for 20 and therefore are relatively

cheap. He punches two holes in the bag above the ziplock. The bags are bound together with two large rings, 2½ inches in diameter. These are special hinged binder rings available in stationary stores for about 50 cents each. The advantage to this type of mounting is that both sides of the cards are visible. Mr. Byron uses a single small staple to hold the card in place in the bags. Covers are available also.

MORE ON QSL DISPLAY comes from Wayne E, Moyer, 3261 Lantz Rd., Dayton, OH 45432. He writes that most of the things I've read recommend scrapbooks or file card boxes for storing QSL cards. Scrapbooks, of course, are fairly hard to update by inserting new cards. To me their biggest disadvantage is that only one side of the card can be seen. File boxes are a breeze to organize and update, but extremely difficult to use for "show and tell"- and what do you do with the oversize cards and letters?

I use looseleaf notebooks with document protectors, the plastic pages with black paper inserts. Throw away the black paper inserts and use small pieces of mylar (Scotch Magic) tape to keep the cards from falling out of the page. Two or three cards will fit in one page and both sides are easily visible. I use index tabs to organize the book into continents, then file alphabetically and chronologically within continents. It is easy to add new sheets in the correct locations as new cards come in. The book is easy to store, easy to carry and a snap to show. The picture side of the card and the data side are instantly available, with no sorting required. I can see the possiblility of using one notebook per continent as the collection grows. Large cards and letters up to 8½ x 11 can be held in the protectors, however, it may be necessary to fold over the edge of some letters to avoid having to punch holes in them.

YOUR EDITOR OBSERVES that an alternative to the above suggestion may be to keep the black paper insert, remove it from the plastic protector, draw the outline of the card on the paper and then cut a slightly smaller hole with a razor or sharp knife. The card can then be placed over the hole with the tape. The paper sheet is then reinserted in the plastic protector. The use of the paper insert gives strength to the document protector, yet both sides of cards can be seen. Two or more letters or one-sided items can be inserted in the protectors using both sides, in addition.

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George Brown, 6 Glassel Park Road, Longniodry, East Lothian, Scotland, wrote asking for the name and address for any enterprise having a supply of spare parts for the Hammarlund HQ-180AC receiver. We will be happy to receive this information at SWC also.

George Schnabel writes wondering if anybody out there is using the LAFAYETTE BCR-101 6 band shortwave receiver (price 250$). If so, he (and your editor too) would like to see it reviewed in Shortwave Center.

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Digital

USER REVIEW - TORRESTRONICS DIGITAL FREQUENCY READOUT

by John M. Kapinos, 86 S. Quinsigamond Ave., Shrewsbury MA 01545

Many DXers are still using the now old-fashioned "calibration charts" to get accurate frequency readout from their radios. The only alternative has been to purchase one of the new receivers with Digital Frequency Readout such as the FRG-7000, DX-300, RF-4900, etc., with the accompanying serious damage to the pocketbook. The Torrestronics Digital Readout can "update" virtually any receiver made (with the exception of the Wadley Loop type) at a cost on only $120.00 - and - it works great.

My SP600-JX28 has been chopping along for many years, but readout was difficult, to say the least. The original solution was to hook up a BC-221 Frequency Meter to it, but to those who have never used a BC-221, it's a lot of work, going to the charts every time a frequency change was made. Even a good Crystal Calibrator means a lot of mental gymnastics have to be performed to get an accurate readout.

Hookup is simple, one connection to the High Frequency Oscillator tube and one to ground and it's ready to go. The unit can be programmed to work with any IF frequency by means of computer type "Dip" switches. Double conversion receivers are no problem, as there is a switch to go from one IF to the other.

The unit is also available in kit form for about $30 less, but unless one has had considerable experience with solid state kit construction, the factory assembled way is the one to go. The size is medium, 2¼" x 6" x 6" and it weighs a couple of pounds and fits right

on top of the receiver.

As with most "outboard" Digital Readouts, the Torrestronics unit reads only kilohertz. A note of warning about the "ham" and "technician" type of readouts, they do not compensate for the IFs and a calculator is a must to figure out the frequency received. Not so with this unit. For additional information, send a SASE to Torrestronics, Inc. - 4850 Hollywreath Court - Dayton, Ohio 45424. They will also be happy to give you all the information needed to hook up to your receiver and to make this unit one of the most valuable pieces of equipment in vour listening post.

* *

PROPAGATION

David Snyder, President of BDXC
1137 E. 12th St.
Brooklyn,N.Y. 11230

Propagation Outlook for July 1979. Based on an average flux of 166.4

MHZ	Europe	S. Amer.	Asia	Oceania	Africa	North America
3		0100-0300 0900-1000		1200-1300	0500-0600 2300-0000	
4		0300-0500	1100-1200		0300-0600 1000-1200 2200-0100	0200-0400
5		1000-1200	2200-2300		2200-2300	0500-0700
6	0100-0200				0200-0300	
7					0600-0700	
9		0300-0400	0300-0400 1100-1200 2200-0100			
11	1200-1300		0200-0300 0500-0600 1000-1100 2200-2300		1000-1100	
15			0000-0500 2100-2200	0300-0400	1100-1400 1800-1900	
21	1600-1700					

Past Indices : Format - Date Solar Flux Index,A index.

4/1	210	24	4/2	206	21	4/3	199	28	4/4	186	21	4/5	182	40	4/6	175	13
4/7	168	9	4/8	173	8	4/9	172	8	4/10	174	10	4/11	173	5	4/12	174	9
4/13	175	9	4/14	170	11	4/15	167	15	4/16	172	12	4/17	169	7	4/18	155	6
4/19	158	4	4/20	154	1	4/21	160	12	4/22	161	27	4/23	161	18	4/24	160	14
4/25	174	69	4/26	182	11	4/27	190	22	4/28	194	24	4/29	182	31	4/30	186	32

Average Flux = 173.9 Average A index = 20.4

5/1	178	14	5/2	178	16	5/3	163	5	5/4	173	5	5/5	166	7	5/6	171	7
5/7	175	9	5/8	184	7	5/9	178	13	5/10	171	7	5/11	175	18	5/12	180	10
5/13	182	7	5/14	178	10	5/15	177	11	5/16	172	5	5/17	184	3	5/18	169	10
5/19	159	20	5/20	153	12	5/21	152	11	5/22	154	25	5/23	152	12	5/24	159	23
5/25	152	19	5/26	145	20	5/27	146	14	5/28	145	9	5/29	146	39	5/30	154	12
5/31	170	4															

Average Flux = 165.8 Average A Index = 12.4

The Flux hit a High of 210 on th 1st of April and a low of 145 on th 26 & 29th of May. The A Index hit a high of 69 on the 25th of April and a low of 1 on April 20th. So both solar and geomagnetic conditions were highl erratic the last two months.

On February 26, 1979 a solar eclipse was observed on the North American Continent.

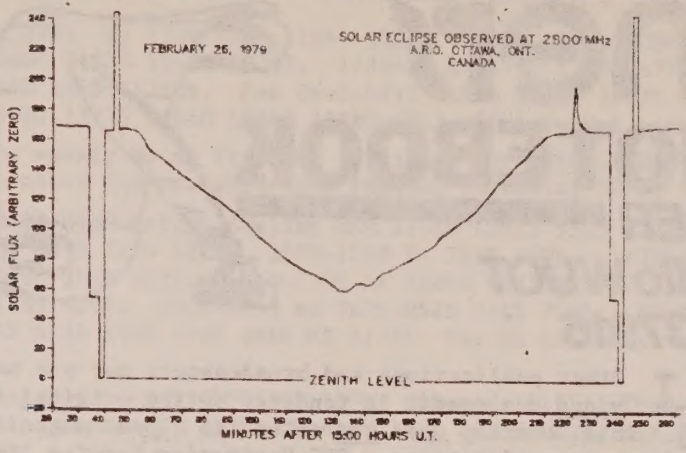
The following are loggings Richard McVicar observed that day. Richard lives in Prescott, Ontario which is close by the Algonquin Observatory , where the Solar Flux Index is measured. Along with the time in GMT, the Flux value from the graph (see figure) , which was obtained from the Solar-Geophysical Data Prompt Reports.

1645 100 Radio Liberty 6010 Suddenly Faded in.
1701-1707 78

North Korea-9420 Strong but fluttery.
Australia -9570 strong but fluttery, Spain is usually here.
Japan -9585 good but fluttery
South Korea-9725 strong but fluttery.

Did you monitor anything of interest that day ? If so send me a sample log.

The flux varied so much that day, anything could have been heard !!!



Please send a card to Executive Director Mac Leonhardt to make this column a permanent column with 1-2 pages . If you think Propagation is a important issue in DXing and wish an explanation , then drop a letter to him and / or the rest of the NASWA staff. If given more room I would go into a laymans explanation of exactly how a signal gets from one point on the Earth to another, and why some signals never make it.

73's and Good DXing.
David Snyder

* *

MORE SHORT ITEMS. John D. Williams, Bloomington, MN, sends a couple of articles from the Minneapolis Star. The first reports that Joe Adamov of Radio Moscow's Mailbag program, who was invited to ANARC, has run afoul of state department regulations. It seems that, on a previous trip (1967) Mr. Adamov made an error in entering the United States from Canada. Ever since he has been on the state department's bad guy list. The state department has followed its usual program in such cases, never denying visas, but delaying same until after the scheduled visit. Kim Andrew Elliott, organizer of ANARC 79 has received support from the President of the University of Minnesota, who has contacted Vice-president Mondale. They hope to overcome the state department's and the department of justice's objections that Mr. Adamov is"dangerous" in time for ANARC.

Another STAR article reports the displeasure of the government of the Republic of South Africa with the daily 15 minuite program produced by the United Nations that depicts apartheid policies of that country as racist and oppressive. This program is presented in English, Afrikaans, Xhosa, and Sotho (Zulu and Tswana to be added) and is broadcast to South Africa from stations in 12 African countries. In addition, 10 more countries, including the VoA of the USA, use exerpts. The chief of the United Nations Radio Service reports that these programs are unusual in their content due to the special conditions in South Africa and are broadcast in full knowledge that the official government of that country disapproves. The purpose of the entry of United Nations Radio into this type of international broadcasting is to help end apartheid. The UNR director denys that this is "Propaganda" which is not permitted by the UN Charter, but informational programing. The United States voted to support this broadcasting effort.

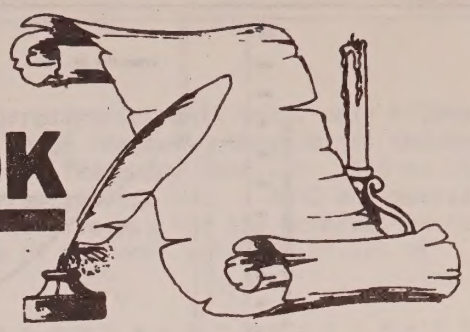
Re the article above about Joe Adamov, John Williams sends a later article from the Star to the effect that the state department gave in to pressure from the University of Minnesota and the Minnesota congressional delegation and is reported to have approved his visit. The question then was whether there was enough time for him to get here in time for ANARC, which was this past weekend.

Noel Brown of Ann Arbor, MI, sends an item from the Ann Arbor News which reports that, since the Chinese government no longer discourages listening to foreign radio broadcasts, listeners in China have been sending letters to major broadcasters who beam transmissions to China. In the case of Radio Australia, the station received only 24 letters in 1978 from listeners in China. In January the rate was up to 500 a week and by March 5000 a week were being received at the Hong Kong post box maintained by RA. RA broadcasts mostly to southern China because the still unrebuilt transmitter at Darwin was used previously for northern China. Many of the letter writers are educated persons and technicians interested in Australia's history of adapting science and technology for developing a nation economically under adverse conditions.

That's all for this month. Thanks to our contributors. 73s till next time-JAL

listeners NOTEBOOK

GLENN HAUSER
University Radio WUOT
Knoxville, TN 37916



JULY 1979

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ENGLISH SCHEDULES U S S R Current reception from interesting sites carrying the World Service: Starobelsk 7320 2200-2300, Khar'kov 11950 2100-2300 (QRM Belgium 2130-2220), Kenga 11965 1700-2300, Vladivostok 15130 0400-1000, Kenga 15265 0800-1300, Nikolayevsk-Amure 15415 100-1330, Frunze 15500 0900-1100, Frunze 17825 1000-1200, Alma Ata 17850 1000-1100 (under Paris). A June change in the NAm service--15275 ex-9530 at 2200-2400. West NAm coverage of the NAm svc has been added at 0300-0400 and the Pacific Service moved a half hour later, to 0400-0800. The R. Kiev 0300 English is now on the same FE freqs as the earlier Kiev pgm. (Roger Legge; UHN)

R. Moscow gives these month-by-month frequency groups for NAm svc, as rearranged by gh; some are actually 0.005 MHz higher. Till July 31: 2300-2400 17.70 15.42 15.27 15.24 15.10 12.05 12.03 11.96 11.78 11.77 11.75 11.72 9.53. 0000-0300 17.70 15.42 15.24 15.10 12.05 12.03-from 0100 11.96 11.78 11.77 11.75 11.72 9.70=from 0200 9.53. 0300-0400 17.70 15.42 15.10 12.05 12.03 11.96 11.77 11.75 11.72 9.71=from 0330 9.70 9.53. 0400-0500 15.42 15.40 15.18 15.10 12.05 12.03 9.71. 0500-0800 15.42 15.40 15.18 15.10 12.05 12.03 9.71.

Aug. 1 to Sept. 1: 2300-2400 17.70 15.42 15.27 15.24 15.10 12.05 12.03 11.96 11.78 11.77 11.75 9.60. 0000-0300 17.70 15.42 15.24 15.10 12.05 12.03=from 0100 11.96 11.78 11.77 11.75 9.70=from 0200 9.60 9.53. 0300-0400 17.70 15.42 15.10 12.05 12.03 11.96 11.77 11.75 9.71-=from 0330 9.70 9.60 9.53. 0400-0800 same as July.

From Sept. 2 to October: 2300-2400 21.56 17.76 17.70 15.42 12.05 12.03 11.96 11.78 11.77 11.75 9.60. 0000-0300 21.56 17.76 17.70 15.42 12.05 11.96 11.78 11.77 11.75 9.70=from 0200 9.68=from 0200 9.60 9.53. 0300-0400 17.76 17.70 12.05 11.96 11.77 11.75 11.72 9.71=from 0330 9.70 9.68 9.60 9.53. 0400-0500 17.76 15.18 12.03 12.00 11.72 9.73 9.71. 0500-0800 12.05 12.03 12.00 11.75=from 0600 11.72 9.73 9.71 (via Ralf Munster, GA)

A BBC MS survey, probably in May gives more details and more frequencies for NAm svc, rearranged by gh: 17700 2300-0400. SSB-16190 2300-0800. 15535 2300-0330 & 0400-0800. 15425 2300-0800. 15405 0400-0800. 15280 2300-0230 & 0430-0800. 15245 2300-0300. 15180 0400-0800 15175(sic, probably typo for 15115) 2300-2400. 15115 0000-0300. 15100 2300-0800. 12060 2330-0100 & 0400-0430; Bulgaria 0130-0400. 12050 2300-0800. 12030 2300-0400 & 0430-0800. 12000 0200-0300. 11960 2300-0400. 11780 2300-0300. 11770 2300-0400. 11750 2300-0400. 11720 2300-0400&. 11710 0300-0400. 11705 0200-0300. SSB-10120 2300-0300. 9710 0400-0800. 9700 Bulgaria 0130-0400. 9680 0200-0300. 9635 2300-0800. 9590 2300-0800. 9530 2300-0400&. 9480 0200-0300. 7380 2300-0400. 7320 2300-0400. &=fq continues with WS after 0400. Note that none of these skeds give 9600 at 0100-0400&, via Cuba (gh)

URUGUAY (Cf Apr LN-3) SODRE IS to Eu/NAm 2100-0100 on 9515 and 0100-0400 on 11885 (10 kW) includes music, with news in EG at 2245, 0015, 0145, 0315 (Carlos Maslatón, Argentina, WRTVH Newsletter--hereafter referred to as "NL") But Hrd from jamming off at 2300 to 2400* with EG at 2345; presume moves to 9515, but covered by Athens (Roger Legge, VA, 11/6)

UKRAINE R. Kiev at 0030-0100 to ENAm on 15525 11735 9800; WNAm 17870 15405 15180; 0300-0330 to ENAm 11830 11735 9800 9655; WNAm 17870 15405 15180 (Rober Legge, UHN May)

TAIWAN VOFC J79: 0100-0200 15270 15345 17890 NAm, 11825 ANZ. 0300-0350 15345 17890 NAm. 2130-2230 Eu 9660 9765 11725 11860 15225. 2140-2240 NAm 9685 11745 17890, ANZ 11825 (NL)

SWEDEN From 29/5, 1230 to EAs on new 21635 (SCDX 29/5) From 1/6, 0230-0300 NAm on 15275, ex-15290 (STA) Due to RNB, which then changed to 0300-0400 (gh)

SWAZILAND TWR J79: 0430-0630 3275 9640. 0645-0835 7215 11910. 1730-1745 Mon 11920. 1630-1800 9640. 1800-1920 3200. (Richard Ginbey, RSA, NL) At 1200-1415 7215 ex-9640. At 1630-1800 11805 ex-11910 (Miki Vcelar, RSA, 27/5 RCI ODXA report) SMR back on 3223 2/6, ex-4980, pops 2130-2200 hetting RRI-Mataram 3222, dominant oer Lama Kara (Bob Padula, Victoria)

SPAIN SFR to Eu 2010-2200 on new 9685 ex-9505 //7275 and 11840 after 2110 (Siegfried Heldt, W. Germany, SCDX 15/5)

ROMANIA R. Bucharest J79: Eu 1300-1330 11940 15250 17850. 1930-2030 9690 11940. 2300-2330 7195 9690. Af 0530-0600 11830 15250 17745. 1730-1800 11790 15365 17720. As 1200-1230 15345 17830. 1500-1530 11940 15250 17805. Pac 0645-0715 11940 15255 15335 17805. NAm 0130-0230 & 0400-0430 5990 9570 9690 11735 11840 11940 15380 (NL) Cf Apr LN-1, some changes to NAm (gh)

PORTUGAL For J79, the weekly EG nx from RFE is listed for 15420, 2045-2100 Fri only, via a 10 kW Glória xmtr; no other fqs are sked (Bob Padula, Victoria, 27/5)

POLAND R. Warsaw: 0200-0400 Polish/English NAm 15120 11815 9525 7270 7145 6135 6095; rest EG-only: Eu 0630-0700 9675 7270 6135. 1200-1230 Eu 7285 6095. 1230-1300 Af 15120 11840 9675 9525. 1600-1630 Eu 9540 6135. 1520-1700 Af 11840 9675 9525 7125; 1700-1725 9675 7125 6095. 1830-1900 Eu 7285 6095. 2000-2030 Af 9675 9525 7145 7125. 2030-2100 Eu 7285 6095. 2230-2300 Eu 7270 7125 6135 5995 1503 (BBC MS 5/79) The EG to NAm is approx 0200-0225 & 0300-0325 (gh)

PHILIPPINES R. Veritas now uses 15220 1300-1330, dropped 15165. They want reports for 15220 (William A. Miller, Sacramento CA, 31/5) Checked 16/6 and nothing but R. Moscow mixing with R. RSA heard (gh)

NETHERLANDS Effective 15/5, R. Nederland via Madagascar at 1430-1525 45° beam to S&EAs moved from 11740 to 17855 (Ben Loog, 21/5) Due to Moscow's bullying QRM on 11740 (gh)

MALTA IBRA 2015-2115 now on 9630, EG Sat 2045-2115; other lang skeds rearranged (Legge, 11/6)

LITHUANIA R. Vilnius 2300-2330 to ENAm 15525 11790 11735; WNAm 17870 15405 15180 (UHN May)

LIBERIA Somewhat changed from WRTVH 79 sked is this from ELWA (gh) On 4770, W. 0630-0900 & 1555-2300; Sat 0630-2300; Sun 0655-2245. On 11830 Sat 0625-0815, Sun 0625-0800 & 1340-1700. On 11860 daily 1800-2120; also in various vernaculars to WAf and parts of CAf (via Harold Frodge, June ASWLC)

KUWAIT R. Kuwait J79: 0500-0800 9650 for Saudi Arabia, 21545 for India & Pakistan; 1800-2100 on 9650 for Saudi Arabia, 15345 for Eu (NL) 15345 replaced by 11690 at 1800-2100 where there is QRMoscow (Noël Green, BBC WRC 11/6) 11960 (SCDX 20/6) ?

KOREA SOUTH (Cf June LN-2) We have lots of conflicting info on R. Korea EG skeds; that from the NL in particular is largely unique and probably in error, perhaps the result of publishing a tentative sked as if it were final. Hour by hour: (gh) 0030-0100 to Eu on 7275 15385 (NL) a xmsn no one else reports (gh). 0230 15195 not 15350, to SEAs (NL) 0430 to SEAs on 11830 and 15195 (NL) not listed elsewhere (gh) 0430 also on 9525; one listing shows 15340, another 15345 (BBC MS) 15345 (sked broadcast 27/5 via Bill Matthews, OH). 0730 GS on 6015 7275 9640 11740; NAm on 17820; LAm on 15430 (NL) not listed elsewhere (gh) 15350 and 15570 to Eu; 11810 GS (Matthews) 15350 instead of 17860, to Eu (BBCMS). 1000 LAm on 9750 11965 15430; GS 11945; others have 11725 and 9580 only, to LAm. 1130 all agree on 9525 to SEAs! 1400 also agree 12090 11665 9870. 1600 NAm 6030 9750; ME 9640 11830 (NL) All others agree on previously published sked (gh) 1800 agree. 2000 LAm 7290 9750 15430; domestic 11790 (NL) others agree on previous sked (gh) 2300 Eu & NAm 15570 15385 15345 7550 7275 (BBC MS) 7550 7275 only (another BBCMS listing) NAm on 15345 & 15570 (Matthews) 15570 seems ex-17860 (gh) Heard on 15345 & 15385, both seriously QRMed (Padula, Victoria 27/5) to ME on 15195 17710 (NL) unlisted elsewhere (gh)

IVORY COAST Abidjan EG noted on 7215 at 1850, but not possible to determine if still carried on 11920 (Rikard Johansson, maritime mobile, NL)

ISRAEL IBA's 15485 fq has been corrected to 15487 on one sked received: at 0500-0515 & 2230-2300 (gh)

IRAN VOIRI anc'd 20/5 that due to numerous requests, EG pgm would increase to 45 min on 26/5 from 1945 on 9022 (BBCMS 21/5 which adds: due to summer time, expected to be at 1845, and 9139 is actually heard instead of 9022) On 26/5 & 27/5 it was at 1845-1930 & 2030-2115, but on 28/5, it reverted to 1900-1930 only. An anmt 29/5 said due to technical difficulties it would be reduced from 45 to 30min until further notice (BBC MS 31/5)

INDIA AIR on new 21695 for GOS to ANZ, good sigs (Bob Padula, 27/5) At 1000-1100 (Arthur Cushen) GOS in EG J79: 2245-0115 7215 9535 11770 15110; 9525 11815 15250. 1000-1100 15190 17387 21695; 11925 15205 17875. 1745-1945 9715 15190. 1745-2230 11620 15165. 2045-2230 on 9535 11740. Xmsns at 1330-1500 & 1945-2230 unchanged from WRTVH 79 (NL)

HUNGARY R. Budapest first hrd here 2/6 at 0300-0330 on 9835, not 11910 // 17710 (Ralf Munster, Decatur GA) BBC drove them off 11910; or, it may be they merely re-arranged their xmtr usage to put the strongest ones on the best frequencies (gh)

GUINEA R. Nationale noted in EG with nx and unique mx 27/5--a Sunday--so not just Mon & Fri, 1845 on 15310 (Novello, NY) Anc'd EG sked 17/6: M/W/F 1800-1900; Sun 1815-1900 (gh)

GUAM KTWR J79, as revised 22/5: 1430-1500 11730 285° to India, 15350 315° to N. China. 0815-0930 11840 345° to Japan; 0000-0130 17855 285° to India (via Roger Legge, VA)

GERMANY EAST RBI: Eu 1700 6080 7185. 1800 7260. 1915 6080 6115 7185. 2045 6080 6115 7185 7300 9730. Af 0445 11720 11795. 1315 21485. 1800 11970 15145 15170. 2000 9665 15390. SEAs 0645 17700 21465 21540. 1200 15165 17700 21465 21540. 1400 17700 21465 21540. 1530 17700 21540. NAm 0100 9730 11970. 0230 9730 11970. 0330 11840 11970 11890 (RBI Journal No. 2-1979) 45-min xmsns (gh)

EGYPT Latest observed sked: 0200-0330 6230 9475. 1215-1330 17920. 1630-1830 15255. 2030-2200 15375. 2215-2345 9805 (NL) Back on 6230 from 12050 to NAm? (gh)

ECUADOR (Cf May LN-2) HCJB to Eu -0830* on 11835/15165 (Noël Green, BBC WRC 11/6)

DOMINICAN REPUBLIC RTVD has now begun its IS in SP & EG; EG pgm can be heard daily at 2330 on 5967 and 9505 (Oscar Hansson, R. Viking DX World Ed., 14/5) Can be, perhaps, but is not, on several mid-June checks 9505 did not appear to be on the air, and there has been no word direct from my contact at RTVD about English starting (gh)

CUBA RHC ES (* from USSR xmtrs): 0100-0450 Ams 11930 11725. 0330-0600 Ams 11760. 0450-0600 Ams 11725. 0630-0800 Ams 9525. 1700-1800 Mediterranean *17710. 2010-2140 Eu 17855. 2050-2140 Ams 17750 9770. 2200-2300 Eu *11700 (BBC MS 5/79)

CHINA R. Peking: ENAm 0000-0100 17680 15520 15060 11845. 0100-0200 17855 17680 SSB-17490 15600 15520 15155 11455 SSB-10865 8240. 0200-0300 same except 15520; and 10865 not given as SSB. WNAm 0300-0400 17680 17530 15285 15230 12055 11685 SSB-11630 10865 8240. 0400-0500 same except 15230. (Cf June LN-1) Some differences to other targets: ANZ 0830-0930 & 0930-1030 17635 15125 12450 11725 11600 9460 SSB-8660. ENAm 1200-1300 11685 9820 8425 6995. SEAs 1200-1300 17810 15270 12450 11650 9290 SSB-8660. SEAs 1300-1400 17810 15270 12450 11650 9290 SSB-8660. SAs 1400-1500 & 1500-1600 15315 11650 9860 8300 6810. E&SAf 1600-1700 & 1700-1800 15315 9860 8300 6810. SAs 1800-1900 12450 SSB-8660 1210. N&WAf 1930-2030 & 2030-2130 15095 11695 11455 9880 SSB-8450 7620. Eu 2030-2130 & 2130-2230 12450 11500 SSB-8660 7470 6860. The SSB channels are suppressed carrier (BBC MS 5/79)

CANADA RCI announced that as of 13/6, it would drop 17875 for its 1900 to Eu, but not at 2000 (gh) more changes, LN-16

CAMEROON Nothing hrd on 9745, and the IS is not hrd on other listed fqs (Rikard Johansson, in the North Sea, SCDX 22/5) Yaoundé Provincial on 4972 relays Yaoundé National nx in EG & FR 2200-2207* (Paul Karagianis, England, SCDX 22/5)

BYELORUSSIA Minsk 9785 in Byelorrussian 2130-2200 on new freq, with EG insert 2147, as of 2/6 // 7340, 6020 both heard (Bob Padula, Victoria) R. Minsk now announces times and freqs in EG at end of their xmsn (Paul Karagianis, England, May UHN) Byelorussian also sked to Eu at 1800-1830 on 7420 9610 11880 (Olle Alm, Sweden, UHN May)

BURMA BBS anc'd that from 1/6 its 'eve pgms' would be on 5040 in addition to 5985 & 955 kHz; this includes EG at 1430-1600 (BBC MS 7/6)

BRUNEI 7215 kHz hrd closing in EG several days at 1400, not 1430 as listed (Rikard Johansson May DSWCI SW News)

BRAZIL Since 2/6, RNB ES in EG to NAm has been at 0300-0400 on 15290; others remain observed at 2000-2055 Eu 15270; 2105-2205 Af 15280 (BBC MS 7/6) Ex-0200-0300, but why? (gh)

BENIN Cotonou 4870 has EG nx 2100-2115, but not daily (Paul Karagianis, England, SCDX 22/5)

BELGIUM Brussels obs on new 15175 ex-15190, good sigs 25/5 0015 (Bob Padula, Victoria) Changed to avoid RCI at least a week ago, but still announcing 15190 to SAm at 0015 (Jay Novello, NY, 4/6)

BANGLADESH (Cf Jun LN-1) EG 1230-1300 now on 15285 21570 (S. Aoki, Japan, NL)

AUSTRALIA RA J79: Pac 5995 1000-2000. 6045 0800-2000. 6060 1330-2030. 9505 1800-2030. 9570 0700-0900. 9580 1800-2200. 9670 0630-1030. 11725 1900-2130. 11740 0700-0900. 11855 1900-2200. 15160 2100-2400 & 0100-0500 & 0600-0700. 15240 2100-0730. 15320 0400-0500 & 0600-0930. 17795 2200-2400 & 0100-0500. 17890 2200-0600. 21740 0100-0330. PNG & NWPac: 6080 1230-2030. 9570 1130-1300 & 1400-1730. 9625 2000-2200. 11790 0600-0700 & 1000-1200. 11880 1100-1300 & 1400-1730. 15355 2100-0530. 17725 0130-1000. As: 6005-C 1530-1730. 6035-C 2100-2230. 9770 1000-1730. 11705 1000-1500. 11820 2100-2330. 11870-c 1500-1730. 15310 2230-0300. 17870-C 0130-1000. 21570-c 0800-1000. 21680 0000-0930. Af: 17755 & 21525 0400-0500 & 0600-0630. Eu 9570 & 11740 0700-0900. 11800-C 1800-2000. NAm 9580 1100-1300. 17795 & 21740 0100-0300 (RA sked via William Davenport, Nashville TN) C=250 kW Carnarvon; c=100 kW Carnarvon; others are Lyndhurst 10 kW or Shepparton 50/100 kW. Note the longer hours on the NAm freqs listed under Pacific, with exactly the same facilities (gh)

ANGOLA R. Nacional hrd in EG 1130-1200 on 7245 9535 11955; irregular sked (Rikard Johansson, North Sea, SCDX 22/5)

OTHER SCHEDULES

VIETNAM Since 19/5, VOV ES on new 10030, first hrd 11/5 with mx tests 1327-1504*. 12/5 to 18/5, *2210v-0030v* and *0910v-1045v* with mx only. From 19/5 relays ES 2200-2300 & 0900-1000 Std Chinese; 1000-1100 Cantonese, // 10010. On 20/5, in a 2-minute period, tested up and down to 10027, 10033 (Isao Ugusa, DX Front Line) Bac Thai 6951 1025-1330, Cao Bang 6935 1330-1515, no Thanh Hoa 4881(do)

U S S R Current reception from interesting sites (see also LN-1): Spanish to LAm: Tbilisi 9795 2230-0400, Tbilisi 11805 0200-0400, Baku 11920 2300-0430, Ashkhabad 11930 2300-0400 (QRM Havana after 0100), Ashkhabad 15195 2230-0400 (Portuguese 2300-0100). June changes in LAm svc: 15490 2200-0400 ex-11830; 15500 2300-0130 ex-11805; 17785 2200-0400 ex-11860 (Roger Legge, McLean VA, 11/6) R. Moscow Russian to N. Atlantic & NAm, 1200-2130 on 15455; 1630-2100 on 11790. R. Rodina Russian 2330-2430 ENAm 15525 12040 11735 9640; WNAm 17870 15405 15180; 0200-0300 12040 11735 9640 to ENAm; same to WNAm. Pacific Ocean R. Station next page:

R. Stantsiya Tikhiy Okean, Vladivostok, announced sked for 0710-0810 xmsn: to Bering Sea, Aleutian Is., coastal waters of Alaska & USA: 182 200 236 245 693 972 3995 4050 4485 5015 4030 7320 9500 9600 9770. To Hawaiian & Marshall Is and WPac: 15505 17720 21505. To Caroline Is & ANZ waters: 17845 17730. S&E China Sea & Andaman Sea: 15100 15190 15470. To Bay of Bengal & Arabian Sea: 15100 15265 21585. The 15/17/21 MHz fqs, except 21505, and 9770, transmit the pgm only until 0800. Other fqs hrd are 7210 9620 12010 (T. Saito, JADX, UHN)

R. Moscow All-Union Radio, SW Fq Usage, in Russian domestic service:

Pgm: First	11870 05-07	7275 02-05	Pgm First-B	Pgm First-C	9760 23-02	5900 14-19
0200-2200	11820 06-15	14-21	2100-1700	2300-1900	9690 23-16	Pgm : Third
for Eu USSR:	9800 02-18	6125 02-04	E. Siberia:	W. Siberia:	9650 23-03	0400-2000
15470 07-15	9775 02-14	15-18	15525 02-15	15535 04-14	9645 16-19	Culture &
15130 04-13	9645 04-08	5940 02-21	15480 02-12	15275 04-17	9620 15-19	Classical Mx:
12070 04-07	19-19½	5910 02-22	15360 02-03	15185 03-10	9605 23-19	11945 04-20
12060 04-07	9620 19-19½	Pgm First-A	12000 02-05	11760 23-17	9490 00-19	11690 04-16
12045 08-17	9490 19-19½	1900-1500	11990 02-04	11750 08-18	7440 23-04	9540 04-1630
12030 06-15	7440 06-15	for the FE:	11845 02-04	11700 00-17	7270 00-02	4860 15-20
11940 06-22	7370 15-21	15460 23-08	9795 22-23	9785 03-16	7145 23-03	4055 04-20
11910 06-15	02-06	12000 19-22	9450 21-17	9775 23-02	6125 00-02	(BBC MS 5/79)

SSB Feeder service for the first pgm, constantly changing fq, time, and service, corrected to mid-May 1979: 12250L 04-19 1900-1500: Pgm First-B 10690U 05-11 19210U 04-16 12135L 00-02 Pgm : First 12175L 19-19½ 18830L 04-09 2100-1700: 7925L 21-23½ 16330U 04-18 11630U06-13½ 0200-2200: 12135L 18½-22 18285U 04-15 15780U 04-15 Pgm First-C 13380L 02-19 11585L 06-12 16030U 04-18 9145L 02-04 15490U 23-11 11575U 00-03 2300-1900: 12240U 23-03 11495L 23-02 13380L 19-19½ Pgm First-A 13590U 19-04 15-17 19845U 04-17 12175L 23-19 (BBCMS 5/79)

TAHITI FR3, R. Tahiti has dropped 9750 and extended Sun broadcasts: 6135 11825 15170 1600-0730, Sun -0900 (Walter Olvik, Karlskrona, Sweden, SCDX 29/5) SWITZERLAND LN-15

SENEGAL R. Dakar broadcasts on 9999 kHz 0300-0905 & 1405-1805 //FM 97.5 MHz (Touati Kamel, Oran, Algeria, 29/5 SCDX) This is quite illegal, as 9995-10005 is reserved for standard freq and time sig stns; hrd? announced fq? harmonic unlikely unless Zig. 3339 is on 3333 (gh)

NIGERIA (Cf June LN-12) Tests recently obs until 2300 on 4755. Closing anmts in EG say the Imo Broadcasting Service is testing a SW xmtr for the Federal Broadcasting Corp. of Nigeria; daily 0400-0900 & 1600-2300 on 4755; 0900-1600 on 6165. Report to C.E., Imo B.S., PO Box 329 Owerri (BBC MS 7/6) Tentatively Oyo (ODXA 27/5 RCI DX Digest report) Ibo (ODXA 6/2 RCI DX)

MOZAMBIQUE Maputo no longer using 4865 6005 6115 7110. (Richard Ginbey, RSA, SCDX 15/5) Nampula now using 4938 (or 4939) 0230-2210; 3165 0230-0600 & 1600-2210 (Ad Koster, Neth; Richard Ginbey, RSA, SCDX 15/5)

MOROCCO Per MRT sked, DS in AR on SW since 24/5: 1000-1100 15360 15335. 1100-1700 21735 15360 16335. 1700-1900 21735 15335 9540. 1900-2100 21735 15155 9540. 2100-2400 21735 15155 6095. 0000-0100 21735 15155 (BBC MS 7/6)

MAURITANIA Nat'l R. of the Islamic Rep. of Mauritania anc'd that during the 40-day mourning period for the Prime Minister, who was killed in an air crash 27/5, all sked radio pgms, exc. nx, local communiqués and certain religious pgms, would be suspended. The overall period of xmsn would also be reduced: W. 0700-0900, 1400-1500, 1800-2300 (BBC MS 31/5, which adds, 4845 kHz, and reportedly on 7245)

LIBYA SPLAJBC DS in AR currently hrd on 17800 15105 15100 11700 0730-1700; s/on time varies day to day; V. of the Arab Homeland ES in AR, on SW 1700-2200 15105 11700 9650 7200 (BBC MS 24/5) SPLAJBC DS in AR now carried 0800-1700 apx on 15100 11700 9660 9500; VOAH ES in AR on same fqs 1700-2200 (BBC MS 7/6)

KUWAIT R. Kuwait DS in AR sked: 0400-0735 11990 7120. 0735-0815 11990. 0815-1030 21685 21605 17725 11990 11825. 1030-1300 21685 21605 17725 11825. 1300-1330 21685 21605 17725 11990 11825. 1330-1515 21685 17725 11990 11825. 1515-1600 11990. 1600-1915 11990 7120 6055 1915-2110 7120 6055 (BBC MS 24/5) KOREA SOUTH LN-16

ITALY RAI J79 in Italian: 2230-0100 NAm 15315 11800; CAm 15385; SAm 17770 11905. LAm 0140-0305 17770 15385 15240 11905 11800. Au 0830-0930 21690 17780 15330 11810 9580. 2050-2130 15400 11800 9575. Af: 0435-0510 Somalia/Ethiopia 21560 17795 15330. 1700-1745 N/WAf 11875 9710; EAf/CAf/SAf 21560 17815 15385. CEu 1555-1635 11905 9575 7290. Additional xmsns: 1400-1425 daily to Canada 21690 17755. 1830-1905 daily to Canada 21560, CAm/WI 17770 15400. During soccer championships, play-by-play coverage on Sun to NAm 17755, CAm 17795, SAm 21655; time varies; also to Au on 15340. Nx to Mediterranean daily 0415-0425 7275 5990; Mon-Sat 9515 6060 1330-1345. HS relay on SW, times valid to 30/9: Radiouno 9515 & 6060 0400-2129; Radiodue 7175 0400-2129; Radiotre 3995 0400-2110 (RAI)

IRAQ 28/5 obs show R. Baghdad increased time for "Voice of Egypt of Arabism" pgm--in AR 2000 =2200 on 11935 7245 7170 and MW. At other times these carry Voice of Masses DS. The pgm says it is aimed at 'workers, peasants, officers and men, revolutionary intellectuals and all progressive forces in Egypt following the line of national and pan-Arab forces by rejecting the line of treason and capitulation'. Nx at 2015-2030 & 2150-2200 (BBC MS 7/6)

IRAN VOIRI IS hrd new AR svc 15/5 1730-2030 11735 ex-1830-1900 on 9139 (BBC MS 17/5) More..

The svc was not obs on 5/6, when the DS in Persian frm Tehran was carried instead (BBCMS 7/6) With the change to Summer Time on 26/5, VOIRI DS from Tehran adjusted its fqs, to this apx obs sked: 17840 0530-1500. 15084 24h. 11930 1515-2100. 11735 1445-1630 & 1930-2100. 9765 2230-0150. 9138 1530-1730 & 1930-0600. DS also obs to 1330* on 15315 & 7215. ES pgms were also adjusted 26/5, tentatively to: 1315-1400 Pushtu 11735; 1400-1445 new Urdu to Pak 11735. 1445-1515 RS 11930. 1630-1930 AR 11735. 1730-1800 Turkish 9138. 1800-1830 GM 9138. 1830-1900 FR 9138. 1900-1930 EG 9138 (BBC MS 31/5)

INDONESIA A few changes to the WRTVH 1979 (qv) are provided by the WRTVH NL, reproduced here

Shortwaves: 25)2260 now seems to be on air 0900-1600 right through - 33) 3232 closes at 1600 - 73)2360 is 0.3kW - 2)2375-2377v(ex. 2370) - 33)2377 now inactive(at least mornings and evenings) - 106)2434 s/on at 2230 - 31) 2440 now s/off at 1700 - 145)2480 s/on at 2230 - 18)2592 now 2130-?, 0900-1520 - 164)2528: 2200-2300, 1100-1500 - 84)2582: 2130-2400(Sun 0400), 0855-1430 - 242)2710 is Tegal Kotamadya(Call: RKPDT2) - 168)2725(ex. 2729) - 1) 2741(ex. 2738) - 175)2854 is Lombok Timur: s/on 2200, s/off 1500 but on split schedule - 178)3025 s/off 1600 - 189)3215 s/on 2100 - 8)3215 more like 0.5kW(not 10kW) - 188)3265: 2100-2200, 0830-1520 - 193)3300: 2300-2400 & 1100-1600 - 201)3330: 2230-2300 & 1200-1500 - 198)3367: delete Bersenjata - 17)3375(replaces 3414): 2200-2400, 1000-1500 - 56)3375 s/on at 2230 and closes 1600(on split schedule) - 22)3382(ex. 3380): 2200-2300 & 1000-1600 - 213)2421 s/on 2230(split schedule) - 237)3427: 2100-2200,0800-1400 - 202)3433 RPDT2 Kediri: 2230-?, 1000-1600 - 207)3450: 2255-0430,1000-1600 - 247)3484 Magetan: 2230-?, 1100-1500 - 208)3504: 2200-2300,1000-1600 - 218)3511: 2230-2400 & 1030-1530 - 214)3708 s/on at 2330 - 215)3762 RKPDT2 Tuban s/on at 2200 - 216)3800 s/on at 2200 - 230)3836 s/on at 2200 - 219) 3893 s/on at 2200 - 166)3909: 2215-?, 1000-1600 - 2)3978(ex. 3975) - 28) 4000 s/on at 2130 - 248)4053(ex. 4022) 2245-0100, 0545-1100, 1145-1600 - 249)4087 RPDT2 Blitar: 2245-0100, 0130-0730, 0950-1600 - 223)4120: 2200-2300 & 1400-1600 - 225)4140 RKP Kotamadya DT2 Kediri - 250)4164: 2300-0300, 0500-0700, 1000-1600 - 224)4376: 2200-2230, 1200-1520 - 226)4601: 2200-2300, 1200-1520 - 229)4699 s/on at 2200 - 3)4719 s/off at 1330 - 3) 4753: 2130-0030, 1150-1520 - 5)4845: Delete Sun schedule - 56)4927 s/on 2230 - 31)4932 s/off 1700 daily - 1)4945: 2200-0100, 0500-0800, 1000-1600 (altern. to 3205) - 189)5987 s/on at 2100 - 234)6012: 2325-0400(Sun), 0000-0300(Tues/Thurs), 0825-1130(daily) - 46)6070 s/on at 2100 - 90)6134: delete 0800-1515 and probably 2200-0100 - 237)6185: 2100-?, 0800-1120 - 17)7240: delete 0900-1600 - 46)9613: 2100-2315, 0400-0615, 0800-? - 46) 11942: heard to 0615 - 33)15200: now carries External Sce only at 0100-0300.

Delete: 3)2393 - 168)2415 - 184)3106 - 245)3140 - 179)3305 - 171)3407 - 17)3414 - 228)3712 - 145)3960 - 174)4002 - 192)4045(inactive) - 227)4603 (inactive) - 195)4920(inactive) - 46)4993 - 195)5205 - 236)6126 - 33)7070 (inactive) - 18)7240(never heard) - 2)7266(never heard).

St. 33)4774 & 4805 are irregular - 188)4900 inactive exc. on special occasions --- Add:

2942: R. Siaran PDKDT2 Magelang, s/off at 1600 - 3000: RKPDT1 Jawa Timur 2230-2300, 1000-1530 - 3460: RKPDK Bima, s/off at 1415 - 3463: RKPDT2 Pasuruan 2200-2300, 1000-1600 - 3474: RKPDT2 Jombang 2200-2300, 1000-1600 - 3524: RPDT2 Poso, s/off at 1430 - 3540: RKPDT2 Kota Waringin Timur, Sampit, s/off at 1600 - 174)3955(ex. 4002) - 4002: RRI Padang 2230-?, ?-1620 - 4866: RRI Wamena 0800-1230 - 4980: RRI Jayapura 0800-1400 - 5975: RRI Nabire: 2100-2300, 0300-0500, 0800-1400(Sun 2200-0500, 0800-1400).

18)RRI Mataram: 2125-0100, 0600-0800, 0800-1530 on 3223 & 2492; also on 855(exc. 0600-0800) - 5)RRI Ambon: 2100-0015 on 3241/4845, 0330-0615 on 7140, 0800-1400 on 3241/4845/7140. RRI Ternate now heard on 3946(ex. 3916). (T.Takehara, S. Wakisaka, A. Ishita, IDXR).

(David Foster & Robert Yeo, Australia are credited at the head of this info, but it is not clear at what point their info ends. The following item is also from the WRTVH NL: gh)

India: The J79 SW schedule of AIR regional domestic sce. shows many changes from WRTH79. The revised details are: 3205(1130-1830), 3223/3235(1300-1830), 3268(1230-1830), 3305(0100-0215, 1130-1830), 3315(1130-1830), 3345 (1130-1730), 3355(Kurseong)(1130-1700), 3365(unchanged), 3375(1145-1730), 4760(0215-0400), 4775(0100-0215), 4800(0100-0215, 1130-1730), 4820/4840 (unchanged), 4850(0100-0215, 1300-1730), 4880(0100-0400), 4895/4920 (unchanged), 4950(0230-0415), 5960(0230-1230), 5970(1030-1215),5990(0230-0415), 6020(0215-1245), 6120(0230-0415), 6130(0100-0400), 6140(0230-0400), 6190/7140 (unchanged), 7160(0215-1215), 7180(0415-1215), 7210(0215-0415, 1015-1045), 7225 Madras S (1215-1730), 7240(0215-0400), 7250(times not given), 7260 Bombay W (0125-0300), 9510(0600-0850), 9510 Bombay W (1300-1445), 9525 Madras S (0125-0400), 9750/11830/11870 (unchanged). Exc. where stated location and region for each fq unchanged.

GUAM KTWR revised J79: Xmtr I: 0845-1000 17830, 1000-1057 15235, 1058-1500 11735, 2128-2157 11795, 2158-2257 15230, 2258-2400 17830, 0000-0030 15175. Xmtr II: 0930-1057 11840, 1058-

1300 15345. 1300-1430 15350. 2055-2128 11750. 2130-2230 15300. 2230-2400 17855. Langs used are Mandarin, Indonesian, Cantonese, Vietnamese, Russian, Japanese (via Roger Legge, VA)

DOMINICAN REPUBLIC RTVD's new IS Director, Norma Santana, has decided that xmsns will be at 2300-0300 (J. Rhadamés Cabrera, Sto. Domingo, 14/5)

COMORO STATE Per sked received with QSL, R. Comores has AR 1500-1600, not listed in WRTH (Bernhard Hein, DSWCI May) Hrd 21/3 on 3331, drifting to 3328 during the hour; obs sked on 3331 is 0300-0430 & 1458-2100; 7260 0900-1457, times differing from WRTH. EG segment included a UN pgm at 1630-1645 (Rikard Johansson, May SWN)

CHINA Tibetan PBS, Lhasa, anc'd it BCs 2230-0645 & 1000-1545 on 7170 5935 4750, including some relays from R. Peking Pgm-I. A recent pgm preview shows that Ch. Two of the Yunnan PBS in Kunming offers two sets of pgms from *2155. Pgms in Lahu, Lisu and Xishuangbanna dialects and the pgms for 'remnant Kuomingtang troops' can be hrd 2155-0200 on 6937; pgms in Dehong Dai and Jingbo dialects are hrd at 2155-2400 on 5960 and 2310 (BBC MS 31/5)

R. Peking introduced this DS sked 21/5: First Pgm: 2000-2300 11610 10245 9080 9064 7516 7504 7335 7095 6200 5880 5860 6320 4905. 2300-2330 15590 15510 11610 10245 9080 9064 7504 7335 7095 6200 5880 5860 5320. 2330-0100 15590 15550 15510 11610 10245 9080 9064 7504 7335 7095 6200 5880 5860. 0100-0200 15590 15550 15510 11610 9080 9064 7504. 0200-0800 17605 15590 15550 15510 9080 9064 7504. 0800-1100 17605 15590 15550 9080 9064 7504. 1100-1400 15590 15550 11610 10245 9080 9064 7516 7504 7335 7095 6200 5880 5860 4905. 1400-1500 15590 11610 10245 9080 9064 7516 7504 7335 7095 6200 5880 5860 5320 5905 (sic, probably 4905). 1500-1735 11610 10245 9080 9064 7516 7504 7335 7095 6200 5880 5860 5320 4905.

Second Pgm: 2100-2230 10260 9775 8007 7770 5990 5163 5075. 2230-2300 10260 9775 8007 7770 7190 5990 5163 5075. 2300-2330 11505 10260 9775 8007 7770 7190 5990 5163 5075. 2330-2400 12200 11505 11040 10260 9775 8007 7770 7190 5990 5163. 0000-0700 12200 11505 11040 10260 7770 7190. 0700-1300 12200 11575 11505 11040 10260 9775 9670 8007 7770 7190. 1300-1330 12200 11575 11505 10260 9725 9670 8007 7770 7190. 1330-1430 11505 10260 9775 9670 8007 7770 7190 5990 5075. 1430-1500 11505 10260 9775 9670 8007 7770 5990 5075. 1500-1600 10260 9775 9670 8007 7770 5990 5075.

R. Peking's DS in minority langs currently obs: Kazakh 0130-0225 15500 11375; 1400-1455 15500 11375 11040, and relayed frum Urumqi 5440 4970. Korean 0400-0455 9900 8565; 1000-1055 9900 8565 + Yanji relay 12060; 2130-2225 8565 6430 + Yanji relay on 1206 (sic). Mongolian 0500-0555 11375 8565; 1200-1255 8565 6430; 2230-2325 8565 6430. Tibetan 2330-0025 15500 15045 11000; 1100-1155 15500 1100 (sic) + Lhasa 9490 4032. Uighur 0030-0125 15500 11375; 1300-1355 15500 11375 11000 + Urumqi 7050 3990.

Recent anmt from Gansu PBS in Lanzhou, gave sked: 7325 6155 5970 4865 2120-0100, Sun 0100-0330; 0330-0600, 0920-1600, including two 30-min R. Peking First Pgm relays at 2230 & 1200 (BBC MS 24/5)

CANARY ISLANDS Current REE Tenerife relay sked, all SP: 11815 1400-2000 C&SAm Sun only; 15365 1400-2000 SAm Sun only; 15365 2045-2145 SAm daily (Bob Underdown, Siloam Springs AR)

CAMBODIA VOKP DS from Phnom Penh obs 0400-0500, 1100-1300, 2300-2400 on 7009 in addition to 9695 6088 (BBC MS 7/6)

BOLIVIA Update on the Bolivian situation, correct to Tue 15/5; skeds are likely to change at any moment, and this should be treated as a guide, rather than gospel truth:
3280 R. Chaco, again regular, following several weeks' absence: 0945-0300 (Sun 1115-2300v)
3337 R. Viloco, now fairly regular to 0400* (ex-0300v*)
3350 R. 27 de Diciembre, 2000-0200
3380 R. Cumbre, s/on variable, *1000/1030 (Sun *1100); s/off now 0400
3390 R. Camargo, inactive, not heard for some time
3396 R. Charcas, 2230-0300 (Sun -0200*)
3480 R. Padilla, 2300-0230 (sometimes to 0200*)
4697 R. Riberalta, 1100-0400 (ex-4775, still nominal freq)
4805 R. Frontera, 1000-0300 (Sun 1100-2200)
4823 R. Grigotá, 0930-0330 (Sun 1000-0015, variable to 0200* for special programs)
4845 R. Fides, 1000-? and 2330-0100 (Sun 1330-0100)
4875 R. La Cruz del Sur, Sun now to 0100* (ex 0200*); EG now 0030-0100 (Mon GMT)
4938 R. Norte, 0950 (1000n)-0400 (Sun 1100-0300)
4965 R. Juan Veintitrés, very irregular 4980 R. Batallón Topáter, seemingly inactive
4992 R. Ánimas recently started Sun eve BC, to 0200*; s/on unk; W. 1030-1900 & 2100-0400
5005 R. Cristal, current sked, maybe only temporary, 1100-0500 (Sat -0400 ; Sun -0215)1cl day
5020 R. Dos de Febrero, now annc *1100 weekdays, *1130 Sun; s/off all days is 0230
5020 R. Cuarto Centenario, eve now 2135-0230; morn s/on 1200, all days
5568 R. Aroma, now 2245-0200; nominal freq is 5570; location: Patacamaya
5582 R. San José, s/off varies 2200/2230/2300; s/on still 1130
5660 R. Machuco, currently 2315-0215/0230v; Scandinavian sources say 'Machupo' -- maybe!
5870 R. Corocoro, s/on 2200, s/off variable, tho often 0300+
5965 R. Nac. Huamuni, has reverted to former *0930 (ex-*1000); unk if s/off has also changed
5995 R. Loyola, s/on now earlier, *0930 (ex-*1000)
6081 R. 21 de Diciembre, 1000 (Sun 1100)-1800 and 2100-0300 (Sun -0200)
6220v R. Nuevos Horizontes, currently inactive (Tony Jones, nr Asunción, Paraguay, 15/5)

AUSTRIA ORF is using 21735 0700-0900 to AuAs on 270° beam thru the nightside! (gh)

ARMENIA R. Yerevan, ES in Armenian: 15515 2200-2300 to SAm; 15190 0800-0900 Sun to Eu (Olle Alm, Sweden, May UHN)

ARGENTINA R. Splendid, LRS2 on 5985, now has 10 kW, at 0900-0400. R. Belgrano, LRY1 is on 6090 with 40 kW, ex-6095, at 2000-0300. R. El Mundo, LRX1 on 6120, 10 kW at 0900-0130. R. El Mundo 9710 ex-9705, 7½ kW, 0100-2100. R. Splendid on 9740, LRS1, 1 kW, 0900-0400. Delete R. Belgrano on 9760. R. El Mundo 11755 7½ kW 0900-1500; R. Belgrano 11780 LRY3, 20 kW 1300-2000. R. Splendid LRS 11880 1 kW 0900-0400; R. El Mundo 15290 LRU 1 kW 0900-0130 (Carlos Maslatón, WRTH LA Newsletter, 5/79)

ALBANIA R. Tirana inaugurated ES in Persian 1/6, three half-hour pgms at 0400 on 7300, 1730 on 9500 and 7280; and 2030 on 11985 and 9483; the two evenings are repeats of the 0400 (BBC MS 7/6)

AFGHANISTAN R. Afghanistan DS: 0130-0330 4775 6230, 1030-1330 6230, 1330-1430 3390, 1430-1530 3390 4775, 1530-1630 3390 4775. Second pgm 1330-1530 on 7200. Additional xmsns: Fri + holidays 0330-0730 on 6230; Thurs, Fri & Holidays 0730-1030 on 6230 (NL)

MISCELÁNEA RADIAL

ZANZIBAR 3339 active again, hrd 7/6 0305+ with Koran recitations, on excellent EAf opening; bad het w/Mozambique 3338, but loud (Pitt McNeil, Washington DC)

ZAMBIA ZBS on 21/5 reported that Minfo BC said ZBS radio reception was expected to be back to normal soon following repair of xmtrs which had been off the air since last Nov. Would have been operational 18/5, but engrs still testing them (BBC MS 24/5) R. Zambia heard on 29000 kHz, 4 x 7250, EG nx 1115 (W. Vyfrinkel, Kenya, SCDX 8/5)

VIETNAM "Nationality Radio Station broadcasting from Dalat City" obs 11/5 1130-1200 with local nx on 4200 (BBC MS 31/5)

VENEZUELA There is a new network, "R. Mundial", key station of the same name is on 550 in Caracas. The SW affiliates are: 4820 R. Mundial Tricolor; 6070 R. Mundial San Cristóbal; 4770 R. Mundial Bolívar (R. Pérez M., WRTVH LA-Newsletter 30/5)

U S S R R. Kiev hrd 9/6 at 2158 w/IS, 2200 UK px; Annabelle Bucar of RMWS in background with EG nx, on 15025. Hmmmm (Richard Stoller, NY) Noted here too 2238 15/6, same mix; believe a spur from 15135 xmtr; not a mixing product with 15245, as there is nothing heard there (gh)

R. Riga has a new address: P.O. Box 266 (RMWS DX pgm 22/5, via Marty Delfin, TX)

(Cf June LN-3 CUBA) The new RHC xmsns, which may have started 19/4, come from xmtrs in the USSR--antenna bearings consistently show 17725 17710 11860 and 11700 originating east of the UK; and the xmtrs have occasionally radiated briefly ID signals from R. Moscow ES and Mayak, when switching from line-up tones to RHC pgms. Fqs are changed on time, per the sked but timings of the pgm feed, possibly recordings relayed from Cuba via satellite to xmtrs in the USSR, vary by anything from two minutes early to four minutes late (BBC MS 17/5)

R. Moscú to Chile in Spanish heard at 0300 on 23760, 2 x 11880 (Josef Kanuka, Providence)

U S A I notice on the J79 VOA freq sked that on 15430 kHz between 1600 and 1800 GMT, if I'm reading it correctly, VOA has three stateside xmtr sites on at the same time--AFRTS Greenville, AFRTS Bethany, and VOA Dixon. That explains the mess I've heard here and reported to NASWA and others, tho none passed it on (Bob Underdown, Siloam Springs AR, 24/5)

(Cf Jun LN-7) Cincinnati Greater Airport TIS hrd 28/5 at 0815 on 1610 kHz with good SIO 333 signals. Parking info read alternately by M & W--info on parking for terminals A, B, C for various airlines--TWA, American, Delta, such as, "get into the right lane for terminal A, center lane for terminal B" etc. Gave call letters, seeming to start with WX2... Surprisingly good for the 350+ miles distance (Brett Saylor, Altoona PA) Now hear this, QSL hounds-please restrain yourselves, as once the stn knows it's getting out, it'll probably bury its antenna in the ground, and that'll be the end of it as a DX catch for everybody else (gh)

URUGUAY R. Carve on 6155 hrd *0830, but mixed with FEN Tokyo (Arthur Cushen's DX World, 3/6) Surprised to note with ID 0847 2/6; rare here (Bob Padula, Victoria) 7/6 1018 discussion or commentary by two men, mentioning Montevideo and two mentions of R. Carve; possible ads; broke thru continuous howl on fq, for only short period, SIO 312; also 9/6 0917 (Jones, MS) LN-15

UKOGBANI Per Margaret Howard, BBC fq lists reflect not only intended target areas but listeners' tips--thus the Singapore fq is not intended for NAm, but WCNAm listeners say it is heard well. The detailed charts should be taken with a grain of salt--they list 15260 for Venezuela, etc., but it is much better here than listed 15420; also 49m is listed too early for WNAm (Joel Rubin, Berkeley CA) SWEDEN LN-15

SWAZILAND The 100 kW TWR xmtr is expected to arrive in June (Richard Ginbey, RSA, NL)

SURINAM Exact sked of SRS is 0830-0330 (Sat 0830-0530) on 725 and 4850. The stn will introduce a 24h svc Sat/Sun in the very near future. Has warming up period of about 30 mins prior to official program, in which non-stop mx is played; a common practice for all Surinam stns is a delay of 15-30 mins from the official sked. An easier addr to use is P.O. Box 271 (W.P. A. Martijn, NL)

SOUTH AFRICA The RSA newspaper "The Argus" reported 28/3 that all domestic SW svcs would close 1/4, but this has not been confirmed (NL) They didn't (gh)

SINGAPORE R. Singapore SW sked changes: 5052 20 kW, 6155 10 kW. Malay 2115-1630. EG svc is testing on new 9535, 50 kW; 50 kW EG outlets proposed on 11940 15200 (NL)

SAUDI ARABIA unID Mid East on 15038 27/5 ff, 1530-1800 or so, very poor, AR vocals, not // anything on band (Richard Stoller, NY) unID AR on 15038 noted many days 1530-1830+; weak, occasional tactical QRM on 15041 (Jay Novello, NY, 4/6) 15038 is the Holy Qu'ran station at 1500-1800 (Richard Measham, BBCMS, BBC WRC 6/6) New stn called Voice of Islam expected to commence xmsns around June 1979; pgm also in English (Leigh Morris, NZ, May NZ DX Times)

PORTUGAL RDP plopped down on 15170 nights, first noted 29/5 0115 obliterating Tahiti and occasional RFE/jammer (Jay Novello, NY) see also MALTA below

POLAND Polish Pathfinders stn from Warsaw, 1 kW, now hrd *1000 on 6195 (BBC MS 31/5)

PHILIPPINES VOA radio net today inaugurated a new satellite relay system that it said would enable millions of listeners in the FE and SAs to receive a clearer signal (AP Washington 6/5 via NY Times 7/5, via Jon Gicker, Nevada City CA) The permanent VOA double satellite pgm feed to the Phil relay commenced 6/5. A US domestic satellite is used to send the pgm to the west coast and then a Pac satellite relays them to the Phil receiving stn at Baguio. There is already a satellite feed to Kavala /Greece/ in operation and the VOA hopes to establish satellite program feeds to the other European and African relays by the end of 1979. To celebrate the opening of the new Phil sat feed the VOA has commenced a new morning live EG pgm format called "DAYBREAK" 2300-2400 Mon-Fri (Tu-Sa local days) replacing the partly preshipped Breakfast Show at this hour. VOA wants comments and suggestions from Au/FE listeners on the new format. Phil relay 17740 now *2200-0100* (Robert Jones, June ADXN)

PERU "R. Santa desde Santa" *1110 & 0450*; fades quickly at s/on and not in clear till Brazil s/off few minutes before their own s/off. Heard few months now when QRN not too bad. Not listed or reported anywhere I know of; must be new stn and'm sure could be hrd by others if they knew about it and tried for it (Geroge B. Sherman, Minneapolis MN) What freq?! (gh)

NAMIBIA SWABC came into being 1/5, on FM at present. Springbok Radio and the English Service continue unchanged except that regional nx on the EG svc IDs as "R. SW Africa" and the German nx at 1710 on the same svc IDs as R. Südwest Afrika". Both bulletins, at 1135 on 11790 and at 1710 on 4835, originate in Johannesburg. A SW xmtr is to be built at Windhoek to cover areas out of reach of present and planned FM services (Richard Ginbey, SCDX 15/5)

MALTA/PORTUGAL AWR-Europe, based in Lisbon, has gone computer, engaging the services of Gordon E. Simkin, previously associated with NBS Boulder. He specialises in SW propagation predictions and computer technology. The first computer-based predictions became available last December. AWR-Europe anticipates a radical expansion in xmsn hours, and it is anticipated that the computer readout will render the SW outreach more effective in the stns' target areas. AWR-Asia does not expect to use computer technology for some time yet (Adrian M. Peterson, AWR Asia) Longtime TVDXers will recognize the name of Gordon E. Simkin (gh) LN-16

MALDIVES R. Maldives hrd 26/4 0350 on 7224 in Maldivian w/OM tlk, YL tlk (sic), xylophones, group sings island mx, ID "Maldees", mentions Male, drums, 0400* w/xylophone, drums, singing, SIO 323 (Marjorie Oakley, CA, SPEEDX) This is a bit doubtful, since it's about 10 a.m. local and the mostly daylit path would suffer extreme absorption at this fq (gh)

LIBYA The radio ship Mebo II has been re-named "Al Fateh" and is anchored in Tripoli Harbour --it carries a Holy Koran pgm on 6206 with 10 kW, and is hrd irregularly // on 1611, believed using the 100 kW xmtr at reduced power; reported sked 0600-1800 (Thomas Drescher, GFR, NL) After reporting them on 6206 and 1611 30/4, they have not been heard on either fq any time in May. Off air? (Robert L. Foxworth, NY)

LAOS National R. in Pakse back to 6600 from 6595 since 9/5; on 7/5 was still on 6595, as it had been since early Dec. National R. in Xieng Khouang currently obs on 4757 and 6676 to 1400*. Tent. Udom Sai reported last month on 6917v is obs with Lao Soung pgm 1300-1330*; hrd also before 1300, but awfully poor due to ute QRM (Isao Ugusa, Japan, DX Front Line)

ITALY R. Nova International will begin BCing on 6222 10/6/79 with 5 kW on Sundays 0800-1400 (ABC Radio via Luc Bertels via R. Viking DX World 9/4)

ISRAEL Per IBA anmt, from 21/5 Israel's national radio svc would be called the Voice of Israel (Hebrew: Qol Yisra'el), reverting to the name it used a few years ago (BBC MS 24/5, which adds: this applies to both domestic and external services) Kol Yisrael ID first noted 14/5 at 2230, instead of "Israel Radio". It's less awkward and more charismatic. It almost has a biblical ring to it (Joel Rubin, CA, June REVIEW OF INTERNATIONAL BROADCASTING)

IRAN VOIRI reported that in order to save electricity the Council of Ministers had approved the proposal by the Min. of Energy to put clocks forward by 60 min between 26/5 and 23/9, so time observed is GMT + 4½ hours (BBC MS 24/5)

INTERNATIONAL WATERS? (Cf May LN-5) Voice of Peace ship replied to a 21/1 report after I hrd an xmsn announcing as VOP on 5040; the letter says that 5040 was VOP from Cairo. V/s Kenny Page says the VOP ship is about to begin tests on 6240, and invites reports to Box 4399, Tel Aviv, Israel. But what's this VOP from Cairo??? (Dario Monferini, PLAY-DX, Italy, 7/5) Letter from Page says they have started broadcasting on 6240 //1539 MW, anchored somewhere in the eastern Mediterranean; however, so far nothing has been hrd on 6240 (Oscar Hansson, R. Viking DX World, 28/5)

INDONESIA (Cf Jun LN-4) VOI 1500 xmsn is in Thai, not Indonesian, 15200 11790 (BBC MS 7/6)

RRI Ujung-Pandang on 4719 often extends its sked to 1520v*; when 4719 does this, the 4753 out let cannot be hrd (Atsunori Ishida, IDXR 13/5) RRI Banda-Aceh cannot be hrd on 3905, but 4955 has a strong signal (do) I've made a tentative ID of the stn I've been hearing on and off on 3316.5 since last fall. Believe it's a new non-RRI on the island of Belitung (alternate spelling Billiton), between Sumatera and Kalimantan and is a kabupaten in Sumatera Selatan with capital city of Tanjung Pandan. Hrd best on days when Sumaterans are strong at 1300 -1400; during winter hrd to 1550*. ID seems RPD Tkt II Belitung.# Letter from RKPDK Tkt II Lebak, 3421 kHz, says power is 375 watts on nominal 3385. Addr: Jalan Patih Derus No.6, Rangkasbitung, Jawa Barat (Bill Sparks, CA, IDXR 13/5) #for another opinion, see LN-16

Some skeds, which I should have put in "O.S." section (gh) RRI Bukittinggi gives this sked: 0500-0715 on 61,10 & 90,07m. 0930-1600 on 61,10; 1100-1600 on 92,8m; 2300-0300 on 61,10. Probably 92,8 means 3232 kHz and 90,07 maybe 3305 as in WRTH 78. Letter from RRI-Bengkulu gives this official sked on 3265, 10 kW: daily 0500-0715 & 0930-1600; weekdays 2300-0130; Sun & holidays 2330-0330 (Toshiaki Takehara, Osaka, IDXR 13/5)

HONG KONG Regarding the controversy in Apr/May LR-C over 8903, I don't care if Don Jensen or NASWA considers the HK time stn as a time station or not. With only 1500 watts, H.K. Radio is still quite a catch from a DXing point of view. H.K. Radio is still the only VOLMET that gives regular GMT time anmts and has time pips! If time pips and time anmts don't make a time stn, I don't know what does (Bob Underdown, AR) I agree, but ho-hum (gh)

GUATEMALA Stn 39) no longer operates on SW (NL) Why can't they just say R. Miramundo 6158v and save us the trouble of looking it up?? (gh)

GRENADA R. Free Grenada suffering from irregularity; noted after long spell absent, on 15045 15/6 2200-2230*, but not there when checked at same time next day (gh)

FRANCE On new 25900 since 31/5 in FR at 1548* //25820; poor (Richard Stoller, NY) Not noted at other times; maybe on just for Coopération Radiophonique (gh)

ECUADOR I goofed. My alleged logging and 'definite ID' of R. Qollasuyo (PERU June LN-6) is a lot of rubbish. Hrd 3250 a week later with La Voz del Triunfo ID; tapes of both broadcasts revealed only one thing in common--a few bars of mx prior to an anmt. My definite ID was actually the phrase "Radio Voz Casillo". I should have followed my instincts--the bloody stn was trying to tell me it wasn't Peruvian and I wasn't listening (Richard M. Utter, NY, 29 /5) I concur; 3252v really; see May LR (Pitt McNeil, Washington DC) more LN-16

ECUADOR Canal Manabita 4815 has been off the air for some time (Clayton Howard, HCJB DX Party Line, 12/4?) HCJB first hrd on new 3220 1/6 0930 time pips, Ecuadorian mx, ID, //6050. Also hrd at *0900 5/6 (Jack Jones, MS)

CHILE R. Nacional on new 6150 HS, possibly ex-6190, around 2230-2245 after ABC closes (Bob Padula, Victoria, 3/6) Formerly R. Cooperativa on 6150 (Tony Jones, WRTH LA News 30/5)

CUBA RMWS seems to be ignoring reception reports on their new 11840 etc relay via Havana. I sent several reports requesting site info, just to see what kind of bull they come up with. All these reports are unanswered tho my reports on other frequencies have been QSLed (Bob Underdown, AR, 7/6) RMWS via RHC 11840 is satellite-fed? Funny, it's UBC-style telco audio. Also, 2nd harmonic at 23680 in at 1700 most days (Richard Stoller NY) While satellite audio can easilyer be hi-fi, no reason it has to be (gh)

COSTA RICA On 16/5 at 0236 into 0302 I heard on 9613 "R. Noticia de Continente, La Voz de Latina America, en San Jose, Costa Rica" /sic -gh/, QRMing R. RSA 9610. Pgm included vocal mx and frequent IDs, maybe testing; not hrd after this date. Had a roaring hum (George J. Poppin, CA) On 23/5 "R. Noticias del Continente" was hrd testing with mx and anmts in SP on 9610, call as TIRL, said was broadcasting from San José to all of Latin America in the 31 and 49m bands. The 49m channel has not yet been traced (BBC MS 31/5) On 26/5 new stn found, ID every 5 mins, anc'd fq 9615, drifting 9611-9615.7. Requesting reports to Apt. Postal 172; monitored between 0130 and 0400. Call as TIRN, but a MW stn already has these. Very good reception but some xmtr problems (Fred McClenaghan, Steve Webster, Tony Buhagiar, Ont. CMS) Hrd 6/4 0125 on 9615; also 31/5 2330 on 9650; frequent anmts, rough modulation (Roger Legge, VA) Had been missing a few days, but noted 12/6 0353-0400* on 9616 clearing fq for KGEI; had very distorted ripple on carrier. One can't help but wonder if this has any connection with the events in Nicaragua; especially if one were C. M. Stanbury, hi (gh) more LN-16

(Cf Jun LN-11) Your reporter was off by one hour. 10/6 "Aquí Costa Rica" hrd on R. Reloj 4832/6006 Sun at 0700, and probably Tue at 0300 (Stu Klein, FL) I'm sure he was correct at the time of his report, since he is the producer of the program--but CR apparently has switched time zones back to CST (gh) Yes, hrd 10/6 at 0700. At 0600, "Radioperiódico Reloj" had a long report from a Managua correspondent; this pgm too solicits foreign reception reports to Apt. 4334, San José (Robert Clark, Phoenix AZ) see R. Sandino, in CRANNY LN-13, 30/5 entry

CONGO Brazzaville on new 3265 ex-4765, audible w/FR 2145-2200 2/6 (Bob Padula, Victoria)

COLOMBIA La Voz del Centro, hrd on 30475 7/4 2215, SINPO 25454 (Christian Barrette, Laval PQ, L'Onde) Lately I've been hearing R. Sutatenza on 18225, 3 x 6075 around 2300 when the fundamental is not audible (Charles George, Dallas TX) What gives with 4875, LV del Norte? WRTVH 79 lists Cucuta as QTH, but they always talk about Caquetá and Florencia--moved, or something ? Hrd to 0500* (S. David Klein, Gainesville FL, 10/6)

CHINA has now begun registering its in-band transmissions with the IFRB. Besides some domes-

tic SW xmsns, a tentative J79 sked dated 24/4 indicates four main sites for external broadcasts: Xian, Kunming, Beijing and Urumqi. Also, Shanghai is shown for two freqs, 9530 and 9575, with the latter being 500 kW. So now, DXers may try to get R. Peking to indicate sites on QSL cards. The IFRB sked is much too long to give here, and is after all, only tentative (gh, tnx to Roger Legge, VA)

CANADA CKFX 6080 kHz Vancouver hrd 19/5 0755-0905 tune-out w/C&W mx, YL DJ mentioning Vancouver weekend wx; SUPER COUNTRY IDs; on a DX160 with a 50' longwire; I also have an FRG-7 hooked up to the same antenna but was unable to raise a signal out of the static. Having logged this 10 watt stn over a 2500-mile path has restored my faith in someday pulling in the Falkland Islands and Tristan da Cunha (Charley Hoffman, Manheim PA) CKFX turned out to be child's play once I gathered up enough ambition to remain awake until the necessary ungodly hour. Actually I was shamed into it by two nearby DXers who had heard it. Signal peaked here around 0900 (local dawn); 'peaked' is a relative term; I never heard more than 6 or 8 consecutive understandable words, but almost anyone on the east coast ought to be able to hear CKFX on a night with reasonably low noise levels (Richard M. Utter, NY, 29/5) Have confirmed from here, all Canadian SW stns except CFVP--Rankin doesn't know how easy he has it way out west there. 10 watts from Vancouver ain't easy to get here! (Stu Klein, FL) Best thing I've heard in years and possibly my best DX catch in 24 years of listening. 25/5 1200 EG nx, C&W songs, anmts, time, one ID for CKWX (MW). Faded up and down in brief fluttery cycles but obliterated by RA carrier 1221. Prior to this the fq is completely vacant. (Robert Yeo, Pambula NSW, ADXN) 0800 nx and wx, country mx, "Super country CKWX" ID, hrd very poorly with deep fading 24/5 (Leigh Morris, New Zealand, ADXN) While undoubtedly still an excellent catch the question must be asked--are they really running only 10 watts? Maybe 12? Hi (gh)

CAMEROON R. Garoua hrd on 7240 with FR anmt 0530, Afro mx, but blocked at 0600 by R. Liberty and Romania (Arthur Cushen's DX World, 3/6) more BRAZIL LN-16 CAMBODIA LN-16

BRAZIL 5055 seems to be a common fq for SW stns in Rio de Janeiro; in Sweden hrd pgm of R. Federal, Niterói 18/5 at 2230. Cláudio R. Moraes reports on 5055 5/1 kW R. Mauá, São João do Meriti, stn 618) (Tor-Henrik Ekblom, WRTH LA Nx 30/5) A new one being heard this season is on 2320, R. 8 de Setembro, around local sunrise, 0200 (Jan Tunér, R. Nederland DXJB 14/6)

BANGLADESH R. Bangladesh was heard on only one day during a three month period, in EG with ID, local mx and nx, SINPO 45554, at 1420 on 17890--thanks to a xmsn stop by R. Cairo (Néstor Rubio, Argentina, MARPLA DX Club) AUSTRIA LN-16

AUSTRALIA The new stns for the print handicapped listeners will commence operation shortly providing a continuous news service and readings from books, etc, for the blind listener. The Melbourne stn will operate on 1705 kHz with 500 W, and will open in late June. Sydney will use 1625 kHz, while the frequency for Hobart has not yet been assigned (Arthur Cushen)

The OIC at Brisbane (Bald Hills) ABC xmtr can't figure out how the 4830 kHz signal could be radiated instead of 4920. This suggests that the strange fqs noted last year from the similar STC 10 kW units at Port Moresby were also unintentional. The SW svc is considered essential as a back-up feed to the Qsld MW regionals, when normal pgm lines are broken (Robert Jones, ADXN) ARGENTINA LN-16

ANGOLA Em. Reg. Huila has moved from 4885 to 7335, now to 7365. Em. Reg. Cuando Cubango hrd on MW, makes no mention of SW 4780 (Richard Ginbey, RSA, SCDX 12/6) Em. Reg. de Benguela 5041 hrd relaying nat'l nx from Luanda, 2200-2205 6/6 after Omdurman 2200*; rare here. Luanda 7215 2330-2400* //7245, all in PT; 7215 is old Ecclésia xmtr, not often hrd here; 6/6 (Bob Padula, Victoria) R. Nacional hrd 28/5 2354, pgm details in PT, ID 0002, NA, 0004*; site on 4820 Luanda per May LN-7 (Jay Novello, NY)

ALBANIA (Cf May LN-4) R. Tirana Chinese now all on 14320. Yes, we do check, and No, they are not harmonics (Richard G. Measham, BBC MS)

FUTURE PLANS

WARC-79 AFP reported from Yaoundé 11/5 that 24 non-aligned countries had resolved to oppose the use by developing (sic) countries of the bands reserved for tropical broadcasting. In a WARC preparatory session, these countries also expressed reservations over proposals for band changes suggested by the developed nations for the developing countries. These changes, delegates believed, would cost the developing countries too much (BBC MS 24/5) Algiers radio reported on the 4th meeting of the Non-Aligned Countries' BC Coop Committee which opened 2/6. The report said the non-aligned countries should present a 'common front' at WARC. The group of experts had already had some success--the developed(?) countries had wanted to use the 26 MHz band, which could permit direct broadcasting by satellite, for themselves alone, but objections from the non-aligned experts meant that no decision on the use of the 26 MHz band would be taken at Geneva(BBCMS 7/6)

UNITED ARAB EMIRATES Dubai is advertising for technicians to instal 3 x 300 kW SW xmtrs and associated antennas for worldwide coverage (The Sun, 14/5, via J. Thompson, Eng., SCDX 29/5)

SIERRA LEONE/SEYCHELLES To fill the gap left by the nationalized RVOG the Lutheran World Federation Committee on Communication plans to use two existing stns: FEBA, and SLBS. The possibilities were discussed at a meeting in Divonne, France, which included reps of WACC, a partner in RVOG operation. The Roman Catholic Symposium of Episcopal Conferences of Africa and Madagascar is also expected to take part. FEBA power needs to be increased by another 100 kW

xmtr, which could be in use by the fall of 1980. Broadcasting from Sierre (sic) Leone for 3½ hours a day may also begin by late 1980 (Lutheran Standard, via Leland Swenson, WI)

PHILIPPINES VOP is waiting for 100 kW xmtr so they can reach eastern USA better than with the 50 kW xmtr (Bill Miller, CA, June REVIEW OF INTERNATIONAL BROADCASTING)

PAPUA NEW GUINEA R. West Sepik, P.O. Box 35, Vanimo, should be on the air by October 1979 (John Campbell, NL)

NEPAL Kyodo reported that an 8-member mission would leave 24/5 for Nepal to carry out a month-long survey into the expansion of Nepal's radio broadcasting network. It will hold talks with the Nepalese govt and inspect projected construxion sites for studios and xmtrs. Nepal has sought Japan's economic co-operation in expanding its radio net, including the building of a studio and xmtr in Katmandu and a xmtr in Pokhra (BBC MS 31/5)

MEXICO XERMX, R. México Internacional does have plans for English and Japanese, but not in the immediate future. All XERMX areas are changing for a new organization (Jorge Haro Romero, RMI director, 30/5 letter, via Marty Delfín, TX and Bill Dickerman, PA)

LESOTHO LNBS is planning an external svc to broadcast in Xhosa and SeTswana to neighboring countries and presumably also in EG. Target date unk. High powerd xmtrs for DS are also planned to improve reception (Richard Ginbey, RSA, NL) BBC's FM relay here is the precursor of a SW relay which should be on the air later this year (gh)

IRAN In an item strongly criticizing the USSR for its jamming, the BBC and the VOA, the VOIRI AR svc 22/5 quoted the head of Radio & TV of Iran as saying it would increase its ES pgms to explain the Iranian Islamic revolution and ideology to the world in any language deemed necessary (BBC MS 24/5)

GERMANY WEST As retirement approaches for the 'old guard' in the DW administration, the NAm svc hopes to expand to 30 min by next summer, and possibly later 45 min of EG (Dave Walcutt)

CANADA Per on-air anmts, CKZU's xmtr is 'on its last legs'. To determine whether or not to replace it, the stn is asking B.C. listeners only to phone the stn collect (Robert Clark, AZ) CKZU is rarely hrd in Australia, but was hrd 20/5 at 0900-0905* on 6160 due to a silent period of the strong Colombian (Bob Padula & Peter Bunn, Phillip Island, Victoria)

In the CBC net license renewal matter, CRTC Pres. Camu singles out RCI for its dual role, informing foreign audiences about Canada and keeping Canadians abroad abreast of news from home, recommends that RCI should consider building a second xmtr site to reach new target areas, and recommends that RCI should be funded, separately from the national nets, by the Canadian Parliament (Ian N. Doidge, PQ, June REVIEW OF INTERNATIONAL BROADCASTING) BOPH LN-16

BOTSWANA Rumours circulating last year that VOA would establish SW relay base here are unfounded, but VOA hopes to commence a 50 kW MW relay at Gaberone by end of 1979 (Jones, ADXN)

AUSTRALIA Per RA, plans were announced 23/5 for a wide-ranging inquiry into the ABC, the first since establishment in 1932. It will begin later this year and will have to report to the govt by 3/81 (BBC MS 31/5) New antennas at Darwin will be 3-band curtains, similar to those at Carnarvon. However, one of the five large vertical log-periodic antennas was not completely destroyed and this has been salvaged together with parts from the other four. Later this year, the 250 kW Brown-Boveri xmtr at Carnarvon will be off the air for several weeks while Swiss engrs inspect it and perhaps modify it. During this period, it is proposed to operate temporarily from Darwin with the salvaged antenna on the regular Carnarvon 250 kW freqs. Permanent use of Darwin in the immediate future is not yet certain. The projected large stn near North West Cape is unlikely to eventuate for some considerable time, if ever, owing to the financial situation, so Carnarvon--originally a temporary stn--will continue to operate well into the future. At Shepparton they are considering using one 10 kW xmtr on the 11 meter band (Robert Jones, June Australian DX News)

ARMENIA A broadcast from Yerevan in Armenian to Eu 6/5 carried a statement by the chmn of the Armenian State Committee for R&TV. Discussing shortcomings in the ES he said many reports of poor reception had been received from abroad. Deliberations were taking place on the building of new xmtrs, increasing broadcasting times, changes in skeds and the beams of broadcasts to Armenians living abroad (BBC MS 17/5)

ANDORRA All SWBC from R. Andorra will terminate as from 12/79 because R. Andorra has sold their 5 kW SW xmtr, currently on 6215.3 kHz with 3-4 kW (Poul Anthony, R. Viking DXW 28/5)

DX PROGRAMS

UZBEKISTAN R. Tashkent proposes a "Veteran's Club" for listeners who have sent at least one reception report or letter for 10 years. Mailbag is Sats 1200, DX Club on 2nd Sundays 1200, repeated following Sat 1400, on 15460 15115 11925 11730 (Bob Padula, June ADXN)

USSR All is not lost if you miss R. Moscow DX pgm on Sats; noted Tue 1535 on 15150 (gh) R. Moscú "DX Club" in Spanish logged on 12030 Tue 6/3 1845; Sat 7/4 2000 on 9710 and 2015 on 9470 (Benjamín Macía, Spain, Receptor) URUGUAY LN-15

SRI LANKA R. Monitors International is hrd Suns 1100 on 11835 15120 17850, and at 1400 on 6075 9720 15425 (RMI undated news release)

SOUTH AFRICA DX Corner on Sats & Suns is now repeated Mondays at 1333 on 25790 21535 15220 (Pieter Martins, R. RSA DX Editor & gh)

PORTUGAL R. Portugal's EG DX pgm is broadcast every third Friday, i.e. 25/5, 15/6, 6/7, despite the presenter's vow to be back in 'two' weeks. SP version seems to be on every other Friday (Bill Flynn, PA, REVIEW OF INTERNATIONAL BROADCASTING) Yup, actually heard on 15/6--by GMT Sat 16/6 circa 0315 in EG (gh) Dario Monferini is preparing DX programs in Italian for R. Portogallo, one Fri per month at 2200-2230 on 9740 (MARPLA DX Club May-Jun)

NETHERLANDS Jan Tunér is giving up his Scandinavian DX Report on DX Juke Box and probably in July will be replaced by Richard Ginbey, RSA, with a new African DX Report, 2nd Thu of months --also, with the insertion of a domestic newscast on Thu, all editions of DXJB are now the same (gh)

JAPAN R. Tampa (ex-NSB) has a new DX pgm on program I in Japanese Sat 1200-1220, "BCL Kyoshitsu" (Broadcast Listener Lecture Room) produced by Japan BCL Fed. (S. Hasegawa, NL)

GERMANY EAST RBI has made its "DX Club" a weekly feature (Jamie Dupree, MD, June SPEEDX) I tuned in one Monday (GMT Tue) and didn't hear it; and, latest RBI Journal still says it's fortnightly (gh)

FINLAND "World of Radio" on R. Finland Sunday Best fortnightly at 0850 & 1350 starts a second series of talks on the communications chain: 1/7 The Broadcaster's Environment, 15/7 The Studio, 29/7 Transmission, 12/8 Propagation, 26/8 Reception, 9/9 The Listener's Environment (FIR, June REVIEW OF INTERNATIONAL BROADCASTING)

DOMINICAN REPUBLIC Unfortunately, RTVD's new director, Norma Santana, has decided that there will be no "DX Caribe" program in the schedule (José Rhadamés Cabrera, Sto. Domingo, R.I.B.)

CANADA To celebrate its 2nd anniversary, RCI DX Digest as of 10/6 doubled the number of different editions. To NAm, GMT Mondays, I is at 0100, II at 0200, III at 0300, IV at 0400; and at 0000 Edition I is also carried except that gh's DX report is different. I & II remain combined to Af Sun 1807, but III & IV are now on Wed in the 2130 xmsn which can also be hrd in Eu. I & II to Eu remain in the 1900 & 2000 xmsns Suns as before. Each edition has a different DX news report, I & III and 0000 GMT by gh, II by Steve Webster of ODXA, and IV by Bill Butuk of CSWLI. The 0000 broadcast is during periods of DST only. It is hoped the additional time will allow more NAm SWL/DX clubs to participate. RCI DX Digest has been voted the best DX program, by a REVIEW OF INTERNATIONAL BROADCASTING panel (gh)

The EDT period CBC NS sked lists a bilingual(?) pgm, "Le Recepteur d'Ondes Courtes-The Shortwave Receiver," on 9625 and 6195 GMT Mon 0230, and Sat 1830 on 9625 11720 (Joel Rubin, CA) Cf June LN-10 (gh) It got cancelled even before it got on the air (Webster, RCI DXD 27/5)

AUSTRIA A month since the much-touted time & freq switch for SW Panorama, I find them as inaudible as ever--5945 is too low for 2300, 12015 often very weak; I have to give up and use old 9770, 4VEH QRM and all (Jay Novello, NY, 4/6) Sigh (gh) Spanish DX pgm on ORF also at new times from 5/5: 1300 on 6155 9770 12015 to Eu; 2000 on 5945 9585 15320 17770; 2230 on 5945 12015 15380; 0100 on 11720; 0300 on 11825 (Carlos A. del Castillo, MDXC) Wed/GMT Thu (gh)

CLANDESTINE CRANNY

R. Liberation QTH was Oak Hill FL, per FCC (Pitt McNeil)

R. Highseas International, on 3869 GMT Mon 28/5 0310, super-fidelity, very professional sounding, SIO 555 obliterating high static, male DJ w/Brit accent, "from free zone in America, international waters", played ELO's "Mr. Blue Sky", typmani & trumpets IS, 0315* Then much weaker hams came on, one with a semi-obscene religious sermon (Jay Novello, Endwell NY)

Voice of Venus "Scott" called 25/5 advising of 26/5 GMT Sat 0400-0500 xmsn on 7460 SSB. Hrd at 0417, very weak, pop mx, "we are wild and crazy guys", Bee Gees, lost at 0418. I guess that's the way it goes (John Fisher, Chelmsford MA) There is a Lake Street in Bloomington IL and I would guess that is where VOV is (Chris Hansen, June SPEEDX) Why not Bloomington IN? Any city of that size is likely to have a Lake Street (gh) /June CANDX)

R. Polaris, USA pirate hrd on 7540 at 0400 w/talk on pirate radio, SIO 322 (Arthur Bodek, NY,

"KVHF" on 6420 in So. CA, now IDs as "serving NAm, Mexico and Canada". I believe this is separate from the BCB pirate KDOR; hrd 0505-0605 (Chuck Boehnke, Los Gatos, June NNRC)

"CHFI" while checking out the R. Sandinos, hrd someone playing tape of this Toronto stn made in May as mentioned May sales, and Mother's Day, 16/6 0434 on 7698, distorted and soon gone; then from 0451 on 7627, best on USB, unstable whine, hum, ID 0500 (gh)

"WCBX" NYC pirate on about 1610 kHz, 4/6 0205 w/ELO and other rock/disco, casual M ancr, ments of "the original WCBX in NYC"; fair sig, gone at 0315 recheck (Richard Stoller, Old Bethpage LINY) GMT Sun 17/6 I had mx with heavy beat on 1610+ 0408-0515, a few very brief unreadable anmts, looping more or less toward NYC (gh)

R. Mercury (European pirate) announces it will test beamed toward NAm on either 7360 or 7375 (or maybe 7325) at 0400-0445 on 6/5, 20/5, 3/6, 17/6, GMT Suns (John Campbell, DSWCI May SWN) Every first and third Sunday (Stuart Clarke, WDXC MM) So if they're still at it now that we all know about it, GMT dates in July would be 1/7 & 15/7 (gh) Nothing hrd 20/5 0420 (Foxy NY)

R. Krypton is a relatively new English stn, first hrd Sun 18/3/79, every (?) Sun 1100-1200 on 6265 with pop mx; Surrey addr (Michael Burden, Luc Bertels, Belgium, R. Viking DX World 28/5) I can only hit a few of the European pirates in LN; for much more extensive info, try the fortnightly RVDXW, $4 for 10 issues to Erik Bjerre, Tøndervej 51, DK-6780 Skaerbaek, Denmark; Copenhagen postal giro account 2 32 26 92 (gh)

R. Tiffany (named after a youth bar) is in the Hilversum, Holland, area, hrd 23/5 2220 past 2300 on FM apx 101.6 MHz, jumping to 102.0 or so. DJ whispers into mike to disguise voice, goes off and on in contact with other nearby-freq stns as if this were a CB (gh, Holland)

R. Nord-Est, apx 102.6 MHz FM, hrd 7/6 from 0809 mentioning (in French) Strasbourg, Luxembourg, etc. Also gave a MW freq; seems quite youth- and community-oriented; interview about photo exhibition, 0850 into political talk re socialists and young communists in the 10/6 European parliament election; ID at 0911. On either side of the freq, a continuous tone could be heard, probably an official jamming attempt (gh, Luxembourg, Luxembourg)

Lorraine Coeur d'Acier (Lorraine Heart of Steel) pirate was reported 20/5 by France-Inter to be still on the air; it began 17/3 at 1500 from the former Longwy town hall, operating regularly one hour in morn and another in aft; operated by steelworkers belonging to the General Confederation of Labour (BBC MS 24/5) No freq or band hinted at (gh)

Voice of Zimbabwe via VORE is on 9560 ex-9615 (BBC MS 17/5)

Voice of the Egyptian People (Sawt ash-Sha'b al-Misri) began broadcasting hostile to Pres. Sadat 1/6, one hour a day from 1930 in the 31m band (Lebanese newspaper 'al-Kifah al-Arabi', via Libya's Voice of the Arab Homeland 4/6 via BBC MS 7/6 which has not traced it yet)

Voice of the Arab Revolution (Sawt ath-Thawrah al-'Arabiyah), "Voice of the Arab Masses, Voice of the Workers, Peasants and Revolutionary Intellectuals" has been obs since 16/5 in AR on 1443 kHz, daily 0500-1000 & 1200-1700, hostile to right-wing elements in Lebanon; announced channel is 211m (1420 kHz). The opening stanza of the former Egyptian national anthem "Wallah Silah Ya Biladi" is played before and after news bulletins (BBC MS 24/5 & 5/79)

Free Lebanon Radio Technicians from W. Germany are installing a TV stn in S. Lebanon near the Israeli border, an area under the control of pro-Haddad forces, who also operate a radio stn of this name (Lebanese paper 'Al-Nida' via Libyan news agency JANA via BBC MS 31/5)

Our Radio/Voice of the Communist Party of Turkey reorganized xmsns 1/6...the two share transmitting facilities and broadcast pro-communist material to Turkey and Turks working in WEu. Our Radio has 30min pgms daily except Suns 0700, 0900, 1100 on 9585; and at 1700, 1900 and 2100 on 6200. VOCPOT similarly at 0400, 0500, 0600, 0800, 1000, 1600 on 9585; 1800, 2000, 2200 on 6200 kHz. On Sundays both stns increase to 55 mins: Our Radio on 9585 at 0300, 0400, 0500, 0900, 1000, 1100, 1500, 1600 and on 6200 at 1700, 2100, 2200. Sunday VOCPOT on 9585 at 0600, 0700, 0800, 1200, 1300, 1400 and on 6200 at 1800, 1900 and 2000. These broadcasts are thought to emanate from the GDR. In addition there will be 30-min Our Radio xmsns daily at 0500, 1015 and 1445 on 9500 and at 1740, 2000 and 2030 on 5915. These are thought to emanate from Romania (BBC MS 31/5 and 7/6)

Voice of Kurdistan, obs on 16/5 and 17/5, continues on 5990 in Kurdish at 1400-1430 and AR at 1430-1500; first observed 15/3/79; AR: "Huna Sawt al-Kurdistan" (BBCMS 24/5 & 5/79)

National Voice of Iran Since 3/6 obs on 5915 in addition to 6025 at 1730-1815 and 1930-2000; to Iran in Azerbaijani and Persian from the same facilities as R. Baku (BBC MS 7/6)

R. Libertad Cubana noted on 7084.6, AM mod, fairly good sigs at 0414 tune in 31/5 seeming to take the Somozan side, carrier breaks with someone answering on SSB; lots of QRM from some idiot swishing VFO across. Not hrd at recheck next hour (Bob Foxworth, NY)

R. Sandino We have a huge amount of material on the fast-changing Nicaraguan situation, so I attempt to present it in chronological order. All Sandino fqs are underlined, all pro-Somoza fqs are semi-underscored (gh)

11 May. The RHC relay via USSR on 11700 had the 2100-2200 FR pgm closing at 2155. At 2159 ½ the xmtr was fed with the opening anmts and start of a recorded R. Sandino xmsn. This recording was abruptly cut 3 mins later at 2202½ and a recording of the RHC FR pgm closing was played. The sked EG xmsn began at 2204½ (BBC MS 17/5)

15 May. R.Sandino anc'd it would BC from the next day on 49m on a new sked 1000-1200 & 0200-0400 'to give the Nicaraguan people better coverage' but this sked may be changed 'as the insurrectional process intensifies'. 7588 was not hrd after 15/5 but the new channel, subject to considerable QRM, has been traced on 6059/6064/6068 (BBC MS 24/5) 6060 is RHC (gh)

21 May. At 0058, R. Mundial in Managua's GM replied to listener complaints that R. Mundial had been QRMing R. Sandino. He stressed his stn was perfectly-aligned, with no harmonic reaching 40, 41 or 49m, and because of professional ethics had never attempted to QRM other stns. He assumed those trying to prevent R. Sandino from being hrd were retransmitting R. Mundial. Within 24h, R. Sandino acknowledged the statement and said it had IDed QRMers.

22 May. R. Sandino anc'd that within 72h it would resume 41mb BCs and the 0200-0400 xmsn would begin at 0100 (BBC MS 24/5)

27 May. R. Sandino last observed to broadcast on 6068 on this date (BBC MS 7/6)

30 May. Surprised to note R. Reloj, Costa Rica on 4832 relaying R. Sandino at 0447 & 0457 interspersed in regular pgms; turns out to be advisory to PanAm Hwy travelers of danger near CR/Nic border due to Sandinista mining; couple minutes of off-air relay each time; not hrd next nite tho did not monitor continuously (Robert L. Foxworth, NY)

31 May. After long absence from 7587.5, traced on 7316.4, good sigs, same format but slicker audio and production now, past 0620 t/out when I fell asleep, hi. Ancr urged support of invasion. Jammer on 7317.2v steady but wobbly carrier would pop off every 15 min then come warbling back on, causing loud het, disrupting cheap rx, but only annoying on good rx (Fxwh)

1 June. Obs on 7315, announcing start times as 0300, 0700, 1030 (BBC MS 7/6)

2 June. 7320-7325, unID stn 1120 w/martial mx, talk, refs to Sandinistas; all comments seemed full of revolutionary fervor; "attention, this is most important..." (Jack Jones, MS)

3 June. Announced it would now be BCing 24h on 41m; 49mb BCs would also begin again soon. (BBC MS 7/6) 0645 on 7320 (and again 4 June 0350), man w/anti-Somoza speeches and march mx; special effects at times in background of bombs exploding and machine gun fire; many IDs; potent signal but jammed w/carrier right on top of them playing non-stop LAm tunes causing het (Charley Hoffman, PA) From 1500, R. Sandino suffered from QRM from an unID Nic stn playing mx and extolling Pres. Somoza. At 1512 RS went off but QRM continued to 1532. (BBC MS 7/6)

4 June. Washington Post foreign service dispatch says R. Sandino is "...the SW stn in Costa Rica named for the 1930s guerrilla leader..." the first reference I've caught in the public press definitely alluding to the QTH (Robert L. Foxworth, NY) 0330 mx & nx about the strike, exhortations. It's being QRMed by a Somoza stn with pop mx, mariachis, and a "Viva Somoza" song; also QRMing by het? One hears "u- u- u- u- u" and then "pi- pi" (Cabrera, DR)

4 & 5 June. 7315 hrd 1045-1145, music jammer noted on 7317, then moved to 7315, but covered by Sandino (Roger Legge, McLean VA, 11/6)

5 June. 7320, 0330-0530, filled with tons of patriotic propaganda; most sounded recorded, especially a chant and some machinegun fire. M & W ancrs; the man read what sounded like a live 'urgent message' apparently to Sandinista leaders, with mentions of 'zones'. QTH as 'somewhere in Nic" and mx was mostly patriotic march-type. Terrible whining noise and QRM from another stn on 7323a, mostly rock and local mx, possibly set up by Somozans to distract people from the real Sandino and to QRM it, but Sandino came in better (Mike MacCollum, IN) 7316.4, regularly jammed 0330-past 0600. RS fq is steady but jammer moves around 7317, and in contrast to late May open carrier, now mod w/weird mix of disco, old rock and some archaic SP ballads including "Somoza Olé!" at 0348. Occl anmts from jammer include "LV de Nicaragua" ID once, so apparently taking feed or playing tapes of a local stn. Jammer eitner cuts off or swishes away every 15min or so to allow Somozan agents to verify Sandino still active, then jammer is back. Mx on jammer makes RS generally unreadable; when unmodulated, carrier could be notched out easily. Not clear why RS does not act to avoid jamming or even if they are aware of it or if it affects reception in Nicaragua. Power of both suggest in the multi-kilowatt level (Foxworth, NY) RS on 7316½, only really audible about 0450, soon heavy jamming resumed, from Somoza regime--a 'killer whistle' and also a BC stn 500 Hz lower, about 3 times in strength playing non-stop mx (Pitt McNeil, Washington DC) RS obs on two fqs, 7588 and 7315, not parallel, latter to 1315*, 7315 to 1440* when anc'd *1700 resumption (BBC 7/6)

6 & 7 June. They were on 7316a thru 6 June but on 7 June on 7702.2 and ran to 0626 that day, saying would return at "5.30 am" (Foxworth, NY)

7 June. Jammer on approx 7590 at 0410, no sign of RS, maybe under it (Pitt McNeil, DC)

8 June. 0330, RS on new 7702.3 (Bob Foxworth, NY)

9 June. Mysterious stn on 7540a playing Mex mx, 0325-0340 tune out, slight overmodulation, voices sounded covered by carrier; tone QRM, sounds of record being changed; pirate?(ReiniTX) RS hrd (no fq -gh) 0409, fair, M & W ancrs, a few SP folk tunes to 0602* w/ancr saying: "...hermanos nicaragüenses, este es el día que la ... de Somoza se va acabar!", drumbeats. Also gave names of casualties of the Sandino guerrilla force. Much to my surprise, two of them were from San Francisco CA. Xmtr off at 0606 (Marty Delfín, San Antonio TX) Not surprising to me, as when I visited there in 3/78, found Mission St. area Sandinista hotbed. RS on 7702 caught going to OC at 1100, resumed around 1122, held to f/out around 1300. Called for general strike and for independent radio stns to cooperate with them--or else. At 1105, 7698 jammer was stronger than RS, but easily separated (gh)

10 June. 0540-0600 on 7700a w/commentary by M & W; 7588 covered by stn w/non-stop LAm pop mx. RS says "Somoza es loco", hi! This stn is a lot of fun. Seems much too strong for a Costa Rican hill xmtr site. CUBA? (Bob Underdown, AR) Probably should be 11 June GMT (gh)

11 June. At 1130 check, Somoza's mx stn on 7587 to 1223*, no anmts; 1130-1227* 7702 (gh)

12 June. From this date have been noting two different, simultaneous Radio Sandinos, on 7587v and on 7702 with either, or both jammed. Jammer with nonstop mx, fuzzy audio mentioning Somoza often, nearly unreadable on 7590.4 (Foxworth, NY) 0335 same thing noted, 7587 & 7702 not //, but sounds like same announcer woman; pro-Somoza on 7590 (gh)

13 June. At 1139 on 7587, giving morn, aft and eve xmsn times, into seemingly off-air relay of pgm, message on evacuation of foreigners with instructions to use one vehicle, no caravans, with white and national flags displayed, at not more than 40 km/hr. Promised medicine and food available from the first Sandinista they encounter. "The only foreigners in danger are mercenaries, who will be shot immediately". 1142, on 7700- pro-Somoza stn with message to National Guard; the other R. Sandino again on 7702 (gh)

14 June. 7590½ 0405- pro-Somoza talks, mentioned "Cadena Nacional de Radiodifusión, so this likely not the only stn carrying this; much stronger than 7587, 7698x (gh) The jammer up to 7591.9, "Cadena Nacional de Nicaragua" to 0559* Anthem, presumably Nic. Usually QRMed by RTTY. The two Sandinos, both with usable to good level seem to go off around 0600 as does jammer. May be that Sandino pgms are rotated on tape from one xmtr to another. Jammers seem to have stopped trying to blot out Sandino signals; rather set up near them freq-wise (Fxwh) 1111, only stn hrd is 7587; 1138 giving sked as 5:30 am, 2 pm, 10(?) pm, on 41m band. Would you believe 39?; 1145 other RS on 7702, not //, stronger sig but weaker mod; 1225 on 7587 only jammer audible with Mex mx (gh)

15 June. 0330, 7702 & 7587; 7590 0357 marimba mx, 0410 exhortations, 0430 repeat earlier

speech, believe Somoza himself, about what Nicaragua is suffering. This time there was a 2nd jammer also on 7698 RC SSB with Mex mx, Nic talk, much stronger than 7702; no //s. At 1155 on 7592 more frequent anmts accusing Panama and Venezuela of intervention, "Viva la Guardia Nacional" song, still strong at 1255 tuneout, mostly mx. No Sandino audible this morning(gh)

16 June. 0345 7702 Sandino on top, w/varying het, QRM; 0445 first time I hrd them using "patria libre o morir" (free country or death) slogan; 0522 greetings to leaders of various 'fronts', e.g. Roberto López Pérez on the western front. 0524 urging FAN (Nic. Air Force) pilots to bomb their own installations and fly to another country where they would be received as patriots; 0603, nice crisp modulation, best of all; 0620 "adelante, compañeros" of various regions; 0628 playing marimba mx like the jammer does, 0630 in the clear finally as 7703 jammer off; statement of purpose, 0639 ID and marimba, 0640 s/off msg giving above xmsn times, 0641 off. 7587: audible 0504 u/jammer 7588, went off at 0603*. 7588: 0446 pro-Somoza talk like 7701 but not // at 0447; 0503 after marimba mx, same anmt as last night; 0559 world newscast, 0604 denying international press reports that PanAm and others have suspended service to Nicaragua; 0607 accusing R. Reloj de Costa Rica of lying about Sandinista bombing an airport at Las Mercedes(?); said it had not been damaged in any way; accused Sandinistas of wanting to turn Nicaragua into the "Vietnam of America", 0620 off abruptly, never any ID. On 7701: Noted at 0446 just below 7702, but at 0555 marimba moved to other side of Sandino, 7703: 0620 still marimba, 0625 statement on the situatinn, off around 0630* (gh)

17 June. None of them found at 0300 and 0315 checks; at 0325, 7599 on with marimba, 0328 pro-Somoza talk QRMing HD2IOA, 0333 more marimba, off 0352, back on at 0353½ on 7590+, now causing QRM to Sandino 7588; both gone at 0515 check, having been listening to 7702, still not on as late as 0400, but there at 0416 with no jamming and much stronger than 7587, with reading of a proclamation of a "New Democratic Provisional Government," a "Government of National Reconstruction", naming 5 people heading it, beginning with a woman; Dr. Sergio Ramírez; Ing. Alfonso ---, of the Frente Amplio de Oposición; Ing. José Hassán of the MPU; and Daniel Ortega; signed by Dirección Nacional Conjunta de la FSLN. 0423 ID with drum rolls, machinegun fire, and "muerte al somozismo"; 0424 interview in Panamá with Nic soldiers; 0433 "¡!!Atención Urgente de Último Minuto!!!" (excerpts:) On this historic date of June 16, 1979, a Provisional Democratic Government has been established, substituting for Somoza's tyranny. We are not soldiers, but armed citizens... the Nicaraguan people are about to put an end to almost half a century of tyranny... in this way FSLN fulfills a promise--the name of the woman first on the list of the provisional govt is Sra. Violeta viuda de Zamora; 0440 a bit of marimba mx, then fading into the 'sound of liberating rifles'. 0441 report on a battle in a Managua barrio; 0445 calling on woman and children to take up arms 'in the final hour', 0453 rah-rahs to various fronts; accusing Somoza of aerial bombing of a Managua neighborhood last night; 0503 giving 24-hour ultimatum for NG soldiers to join them or be condemned by popular justice. "The march on Managua has begun"; 0508 calling on Nic. soldiers to quit killing their neighbors, and 48h ultimatum (as of June 15); 0514 repeating again proclamation of govt; 0523 "there will be no clemency for those who stay on the other side", 0532 ID but het from 7700 now; 0559 another repeat of declaration. Audible again as late as 1400 with usual stuff, making Cuban site seem likely, much closer to hear than Nic or CR. (gh)

18 June. 0330 tune in, 7587 on with Mex mx, 0338 Somoza speech again about Nicaragua now suffering something worse than the earthquake; info on distribution of food, relief supplies; by 0425 it was around 7589 orating. Now, R. Sandino returns to 7317 from 7702, noted 0331; nothing had been on 7317 previous nights and nothing was around 7700 this night. Around 0500 mostly same stuff as last night; at 0425 7588 separable from 7589. Not on earlier, but at 0524, a stn w/really rapid Caribbean mx came up on 7715.0, almost as strong at 7588 but sounding louder; 0529 to OC, 0532 resuming, then on 7713, 0534 off and on, jumping to 7720 before going off without managing to jam anything. (gh)

19 June. At 0330 tune-in, 7317 and 7588 already on; 0345 on 7591 really revolting song praising the National Guard; 0350 on 7316 mx and het way under Sandino; 0353 7317 says Panamá is first govt to recognize the FSLN provisional govt. At 1150 7591 Somoza's "worse than the earthquake" speech again, interrupted by mx; 7317 also on (gh)

25 June. Nicaragua to change from GMT -5 to GMT -6 (WRTVH NL) If this happens, may mean retiming of these xmsns to an hour later (gh)

The use of the 7.3-7.9 MHz range by Nicaraguan broadcasters has a long history. The 1958-1962 WRTVHs list five stations in this range, but all were dropped in the 1963, with Atlántico moving to 6120. 7312 0.15 kW YNWN R. Granada, Granada. 7602 0.5 YNRM R. Musún, Matagalpa. 7660 0.25 YNMS R. Philips, León. 7753 0.15 YNCA R. Atlántico, Bluefields. 7890 0.1 YNBX R. Oriental, Granada. The clandestines and counter-clandestines of today may have chosen this range because of the remaining availability of receivers, and possibly transmitters, covering this frequency range (gh)

LAST MINUTE ITEMS

URUGUAY The Montevideo Ham Radio Center stn CX1CCC has a pgm on 7020 for radio listeners and a code learning course, every Friday at 2400, repeated Sundays at 1400 (Ernesto S. Fernández, Banfield, Argentina, BADXC June) CX14, El Espectador transmits on 11835 at 1000-0300, and since 15/5 on new 6045, but does not announce this fq (Vicente Bombardiere, Asociación DX del Litoral 6-7)

SWITZERLAND International Red Cross radio will broadcast on 23/7 and 27/8 in EG & FR; 25/7 & 29/8 in GM, AR, SP, on 7210, 0600-0700, 1130-1230, 1700-1800 (Hector Oguich (?), ADXL Jun-Jul)

SWEDEN R. Moscow has apparently left 11705 at 2200-0600 after Sweden complained (Povržení ć ")

MALTA A few weeks ago, troublemaker Muammar Qaddafi was ordered to shut down Libya's radio station in Malta, which was waging a scurrilous war of words against Israel and Egypt(Parade)

KOREA SOUTH R. Korea on new 6165 ex-6015, EG 1100, FR 1130, SP 1200 (Robert Yeo, RA DX 10/6) R. Korea tested on 9870 at the suggestion of our member Bernardo Bagge, 24/4 to 6/5 (ADXL)

INDONESIA (Cf LN-9) The new xmtr on 3317, widely hrd to 1600* has finally been IDed as RRI Balikpapan (sp? gh) in E. Kalimantan; RRI Jember has moved from 3318v to 3323 (Jan Tunér 12/4)

ECUADOR HCJB can be hrd in Spanish *1030, 0500* on unannounced 9755 (E.P. Povrženić, ADXL)

COSTA RICA R. Noticias del Continente hrd 15/6 testing 0157-0227 on 9490 (Bob Underdown, AR)

CANADA RCI now using 9755 until 0200 and 9655 after 0200; audible, unlike 5960, but not as good as higher off-beam fqs (Joel Rubin, CA) Also on 9755 //5960 for domestic relay Mon-Fri 2200-2400 (Jim Conrad, IA). Apparently an extension, and replacement of 9535 (gh) Something strange--RCI hrd on approximately 4800 kHz, between 0230 and 0255, with a regular signal; experimental xmsn? (Gabriel R. Mazzoni, Bs. As., Buenos Aires DX Club 6/79) Rx: Sony 6000 S

CAMBODIA VOKP, the Phnom Penh DS, anc'd it was prepared to issue amps, loudspeakers and other PA equipment "to create the conditions for people thruout the country to understand the political stand and revolutionary line of the Kampuchean People's Revolutionary Council and the Kampuchean United Front for National Salvation". People's Committees in the provinces were, therefore, requested to send reps to the offices of VOKP to collect the necessary equipment (BBC MS 24/5)

BRAZIL R. Clube Rondonópolis, hrd testing on 2480 from Ponta Pora, 27/5 0140-0150 (PLAY-DX, Italy) apparently is R. Porta Pora, Rondonápolis, in tests (RAE DX via BADXC)

BOPHUTHATSWANA TWR will soon be transmitting from a site here. Pres Lucas Mongope OKed it 8/2. 50 kW stn to make the Gospel hrd in native tongues; target date and freq unk (UADX)

AUSTRIA ORF SW Panorama hrd on Sun 6/5 0900 on 15610 (Sukhamoy Gazi, Angus, Hooghly, IDXCI). such an OOB freq does not appear on their current sked (gh)

ARGENTINA On 14/5, R. Provincia de Misiones, Posadas, 24h in Spanish, changed from 6160 to 6110 (Vicente Bombardiere, ADXL) R. Municipal, Malargüe, hrd on 6160 at 1040 (Povrzenic)

PROGRAM NEWS

NETHERLANDS Bruce Parsons, formerly of R. Nederland, can now be heard announcing the midnight shift breaks during Larry King Show, on WSPB-1450 Sarasota FL, a low-powered station which barely makes it to Tampa in the daytime and not at night (Gordon Byrd, FL, June REVIEW OF INTERNATIONAL BROADCASTING)

CANADA During July and August, at least, the last half hour of "As It Happens" will be summer theatre, of comedy and drama, Mon-Fri, not just Fridays--2230 on 17820 15325; 2330 on 9755 5960. New 0004 GMT series on CBC NS begin in July--GMT Tues, 13-week BBC series on the Bee Gees; GMT Weds CBC Playhouse; GMT Thurs Play It Again, Bob; GMT Fris The People's Choice-of pop music; GMT Sats My Kind of Music with guest celebrities. "Johnny Chase" ends 30/6. At 1804 Mon/Tue/Wed, "All Ours"; Thu/Fri, "Oral History" (gh)

PUBLICATIONS

World Radio-TV Handbook One bit of good news--the price will not be increased next year (Andy Sennitt, Austria)

Tropical DX Newsletter I was the source of the item last month. Phred says he will send people's money back (Pitt McNeil)

Asociación DX del Litoral is a new Argentine club with 40 or so members but an offset-printed magazine, "Argentina DX". Altho bi-monthly, the June-July issue contains lots of good info I hadn't seen elsewhere, and a really challenging DX-crossword puzzle, among other things, in Spanish. With inflation rampant, subs are taken for 6-month (3 issues) rather than yearly periods, @ US$5, or 20 IRCs. Addr.: C.C. 83, 2000 Rosario (gh)

Vane A. Jones log (NAm Radio-TV Guide), 13th ed, H.W. Sams #21577 for $6.95, or from Gilfer $6.45; ISBN 0-672-21577-2, has added something new--a very incomplete programming key (religious, news/talk, country, black) but for example KCBS not listed as news/talk but as all-news; KQED, a general listener-supported NPR with a very few black pgms is listed as black; KFIA is not listed as religious, etc (Joel M. Rubin, San Francisco CA)

Interval Signals Limited, 31 Lyons Crescent, Tonbridge, Kent, TN9 1EY, England, is a new venture by a disabled family including totally blind as self employment. A cassette covering 138 items from around the world, with accompanying list is £3.50 (via Sam Barto, CT)

UNIDENTIFIED

1620 USA pirate, 10/6 0145 past 0515 w/very old WMCA phone-in shows, at least 6-7 years old judging from nx stories (Richard Stoller, NY)
3252v3253, 0304 25/5, SP ballads, Beatles. Only other 90m in were 3215 3380 3360 (Blumberg)
3262A Africa, 0440-0450 f/out, lang, mx, vy poor, TWR? (Stoller)
3800 4/6 *0400-0420* SP, FR or PT talk, calypso mx, 5 or 6 groups of chimes, IS? Maybe same one on 3850 4/6 0305* rock song; maybe mentioned "revolution", "Portugal" (MacCollum, Indy IN)
4991m R.Em. Beni? Venez was off 10/6, leaving this weak sig, non-Andean campesino stuff, covered 0248 by R. RSA s/on (Richard Stoller, NY)

Sam Barto
NASWA QSL Editor
245 Cherry Ave. J-11
Watertown, Conn. 06795

Here we go again with another Column with many new stations and countries being reported for the first time! I hope to meet all of you in Sept.

ADMIRALTY ISLANDS: R. Manus 3905 f/d cd. in 67 ds. via Boroko.(Alm-BC). in * 1 mo. w/ a f/d yellow "Map" cd. Also via Boroko.(Klein-FL).

ALBANIA: R. Tirana 7120 p/d cd. in 2 mo. for 1 IRC.(Dittrich-FL). same in 72 ds. for 1 IRC.(Klasek-MO).

ANDORRA: R. Scandinavia 6215 B/W "Deejay" cd. in 10 wks.(Berg-MA). R. Andorra 6215 f/d "Figures" cd. in 6 wks. for 2 IRCs.(Berg-MA). same for 6230 w/ 2 stickers in 19 ds.(Klasek-MO).

ANTIGUA: DW 9545 n/d cd. w/ books in 65 ds. for 1 IRC.(Ewenstein-NY).

ARGENTINA: R. Rivadavia 5882 f/d cd. in 100 ds.(Golkin-NY). in 191 ds. for a SP rpt. and ms. v/s Jorge Falcone, Gerente Tecnico.(Hoffman-PA). RAE 11710 f/d blue cd. in 6 wks.(O'Donnell-PA). R. El Mundo 6120 f/d cd. in 3 wks. for a SP rpt. Also rcvd. a blue sticker. v/s Amelia Ferreras, * Jefe de Rel. Publicas.(Klein-FL). LU5CBA 3625 f/d ltr. in 1½ mo. This station transmitts on a regular basis.(Muick-PA)

ASCENSION: VOA 17830 f/d cd. in 13 ds.(Clark-AZ).

ASIATIC RUSSIA: R. Moscow via Chita on 15385 in 90 ds.(Tuchscherer-WI). * via Yuzhno-Sakhalinsk on 11860 in 31 ds.(Desrosiers-MA). via Petropavlovsk-Kamchatsky on 9710 in 5 wks.(Matthews-OH)...Nice sites gang!

We are glad to have your reception report on our program transmitted on 3340 kHz at 1130 hours-1145 hours G.M.T. dated Feb. 21, 1979.

Your further reception reports on our broadcasts are welcome.

Heilongjiang People's Broadcasting Station

AUSTRALIA: VLM4 4920 Bald Hills f/d "Map" cd. in 32 ds. for 2 IRCs.(Danylchenko-ONT). VLQ9 9660 f/d cd. in 16 ds.(Clark-AZ). in 20 ds.(Fedor-CA). VLW9 9610 Perth f/d cd. in 1 mo. for 1 IRC.(Kapinos-MA). in 19 ds.(Zimmer-MO). VLH9 9680 Lyndhurst f/d cd. in 3 mo.(Prisco-PA). same in 1 mo. (Fedor-CA). VLR6 6150 Lyndhurst f/d green "Map" cd. in 6 wks. for 1 IRC. (Leithner-TN). in 53 ds.(Alm-BC). R. Australia via Shepparton on 15320 w/ f/d "Ringtail Possum" cd. in 2 wks.(O'Donnell-PA). 9570 w/ "Mallee Gum" cd. in 3 mo.(Zimmer-MO). 21680 w/ "Pine Rose Cone" cd. in 146 ds. (Brouillette-MI). same cd. via Carnarvon for 11800 in @ 1 mo.(McDavitt-NY). 11790 w/ "Surfers Paradise" cd. in 21 ds.(Johnston-NY). 9580 w/ f/d "Alpine Dingo" cd. in 23 ds.(Davenport-TN). same for 17870 in 3 wks. This was my S/V #100!!!(O'Donnell-PA)...Congratulations...Sam.

AUSTRIA: ORF 6000 via Aldrans f/d black/silver cd. in 2½ mo.(Lobdell-MA). 11800 in 17 ds.(Joseph-LA). 5945 f/d "Adam" cd. in 20 ds.(Zimmer-MO). same in 42 ds.(Mayer-OH). in 21 ds. w/ stickers and pins(Klasek-MO). in 40 ds. w/ "Landscape" cd. for 1 IRC.(Dieckmann-MO). 6000 in 6 wks.(Field -MI)

BANGLADESH: R. Bangladesh 15285 f/d white cd. in 8 wks. for 2 IRCs. v/s Mabzulul Hosain.(Waite-FL). in 2 mo. for 1 IRC.(McDavitt-NY).

OAX - 8D 1150 Kcls. OAX - 8E 5050 Kcls. OAX - 8F 9504 Kcls.
RADIO LORETO S. A.
LA VOZ DEL ORIENTE PERUANO
ARICA 928 - TELFS. 233302 - 235868
IQUITOS - PERU

via Chris Lobdell

BELGIUM: BRT-ORU 6080 f/d cd. in 7 wks. for 1 IRC.(Waite-FL). in 52 ds. w/ "Globe" cd. for 1 IRC.(Fraser-MA). in 42 ds.(Zimmer-MO). in 71 ds. for 1 IRC.(Ewenstein-NY). 15190 in 43 ds. w/ transcript of "Mailbag" pgm. (Sumner-GA). 11715 f/d "Silver Map" cd. in 21 ds. w/ stickers.(Campbell-CT). in 72 ds.(Hinton-TX). 11705 in 24 ds. w/ pennant.(Klasek-MO).17745 w/ f/d cd. in 54 ds. w/ station sticker for 1 IRC.(Dieckmann-MO).

BELIZE: R. Belize 3285 f/d "Map" cd. in 2 wks. for 1 IRC.(McDavitt-NY).

BENIN: ORTB 4870 f/d "Multi-Scene" cd. in 80 ds. for an EG rpt. and 2 IRCs. (Glazzy-CA). in 601 ds. for a FR rpt. and 1 IRC.(Ponder-NC). in 2 mo. for 1 IRC.(McDavitt-NY). in 34 ds.(Ewenstein-NY). in 3 mo.(Alm-BC).

BOLIVIA: R. Fides 4845 "Mount Illimani" post cd. in 3 wks. for a SP rpt. & ms.(used). v/s Eduardo Perez Iribarre, Director.(Lobdell-MA). R. Panamerica 6035 personal ltr. in 10 mo. for a SP rpt. and ms. v/s Daniel Sanchez R., Coordinador General. Addr: Cas. 2372, La Paz.(Lazarus-LA).

BRASIL: R. Nacional de Brasilia(RadioBras) 15280 f/d cd. in @ 1 mo.(Smith-LA). in 1½ mo.(O'Donnell-PA). in 49 ds. for 1 IRC.(Schmidt-WI). in 59 ds. v/s Reginaldo Azevedo.(Clifford-WA). in 6 wks. for 1 IRC.(Waite-FL). in 45 ds. for 1 IRC.(Eastman-TX). n/d form ltrs. rcvd. by Klein, Campbell and Clark apologizing for no personal reply due to reorganization at the station. Boo! Hiss! 15290 f/d cd. in 48 ds. w/ sticker.(Byron-NY) R. Rio Mar 9695 cd. in 2 mo. for a PT rpt. and ms.(Lazarus-LA). R. Relogio Federal Ltda. 4905 cd. in 5 mo.(Muick-PA). R. Brasil Central 11815 and 4985 f/d ltr. in 5 wks. for an EG rpt. (Barto-CT). R. Nacional de Boa Vista 4835 form ltr. in 6½ mo. for a PT rpt. and MS. v/s Carlos Alberto A. de Souza, PRG Coord. de Programacao. Addr: Av. Ceara 143, Centro, Boa Vista 69.300.(Lazarus-LA). R. Taubate 4925 cd. in 3 wks. in EG! for a PT rpt.(Barto-CT). in 18 ds. for 2 IRCs. (Pineault-QUE). R. Guaiba 5965 n/d "Logo" cd. in 30 ds. for a PT rpt. and 2 IRCs. v/s Paulo Deniz.(Tuchscherer-WI). R. Educadora Rural 3335 ltr. in 20 ds. for a PT rpt. v/s Salineso de Oliveira Santos.(Bar-

BULGARIA: R. Sofia 9705 "Skyline"to-CT) cd. in 1 mo. for 1 IRC.(Waite-FL). in 57 ds.(Sumner-GA). in 2 mo.(O'Riordan-ID). in 53 ds.(Joseph-LA). 9770 in 54 ds. w/ "Windmill" cd.(Dittrich-FL). 7115 w/ f/d "Cathedral" cd. in 105 ds.(Hughes-MAN). 7670 via Stolnik w/ f/d cd. in 5 wks.(O'Donnell-PA).

CAMEROON: R. Garoua 5010 f/d ltr. in 48 ds. for 2 IRCs.(Ewenstein-NY). R. Bertoua 4750 f/d ltr. in 2 mo. v/s Jim Fontem.(Fedor-CA).

CANADA: CHU 3330 "Fleming" cd. in 14 ds.(Kremer-DL). 14670 in 15 ds.(Hughes-MAN). CKFX 6080 cd. in 11 ds. v/s Jack Duke.(Fedor-CA). in 3 wks. for ms.(Lobdell-MA). in 6 wks.(Berg-MA). cd. in 3 wks. for ms.(Klein-FL). in 4 mo. for ms.(Mikell-IL). RCI 5960 "WARC" cd. in 10 ds.(Rankin-KS). in 9 ds.(Hughes-MAN). 15325 in 18 ds.(Dieckmann-MO). in 8 ds.(Sumner-GA). 11845 in 16 ds.(Concannon-CA). 15260 in 5 mo.(Oakley-CA). 11940 in 32 ds.(Campbell-CT). CHNX 6130 "Ocean Playground" cd. in 6 wks.(Clark-AZ). in 3 wks.(Rankin-KS). in 1 mo. for ms.(O'Donnell-PA). in 36 ds.(Roraback-NY). CKZU 6160 f/d "Broadcast Center" cd. in 19 ds.(Clark-AZ). in 10 ds. v/s Frances H. Buchen.(Fedor-CA). in 2 wks.(Howard-CA). CFVP 6030 f/d cd. in 2 wks.(Muick-PA). CFRB 6070 cd. in 22 ds. w/ 2 stickers.(Zimmer-MO). CFCX 6005 cd. in 19 ds.(Clark-AZ). CKZN 6160 f/d "Industries" cd. in 23 ds.(Shaffer-IN). CBC-NS 11720 "Horizon Suns" cd. in 27 ds. w/ plastic pennant.(Brouillette-MI). 6195 in 1 mo. w/ pennant.(Clark-AZ). in 14 ds. w/ 50 pennants!(Klasek-MO).

CANARY ISLANDS: REE 11815 f/d "Sailboat" cd. in 5 wks.(Moore). 15365 w/ f/d "La Isla Blanca" cd. in 1 mo.(Klein-FL).

CHILE: RN 15300 cd. in 11 mo.(Joseph-LA). R. Mineria 9750 ltr. in 16 mo. for a SP rpt. and 2 IRCs. v/s Manuel Vergara.(Pineault-QUE).

HAP ITEMS FOR SALE: This may be one of your last opportunities to purchase these great items prior to our NEADXO on Sept. 9th. The following are now being released at the quoted prices:

1) Stickers/Decals $.25 each...CKNW, 1ZH, 4QR, KCJJ, Radio Hallam-BBC, 4KQ, KXIC/KICG, Radio Orwell-BBC, Radio Orwell-Road Show, WMNI, Radio Sheffield-BBC, CKOK, IBA-Israel, WDGY, CFMI, ORF-Austria, WHAL, KPOF, Radio Vatican, 2XL, KRNA ..... $.50 each... Radio Taranaki from New Zealand, I Listen To and DX Jukebox from Radio Nederland. These are two different stickers from the Nederlands!
2) Drink Coasters $.25 each...6GF from Australia
3) Metal Badges $.25 each...BBC Local Radio
4) Station Pins $.50 each ...Sender Freies Berlin
5) Station Pens $.25 each...KWKH, KLTR, WHAL
6) Cloth Badges $.50 each ...WDRC
7) Paper Pennants $1.00 each...Radio Belgium, Radio Vatican
8) Cloth Pennants $2.00 each...Radio Mexico
9) Special Offer $1.00 per set...4 different ORF Station stickers

The above items are available on a first come first serve basis by letter or you may call 203-274-1142 and reserve your order...Sam. Remember your money goes to a fine organization...the Handicapped Aid Program.(HAP).

CHINA: R. Peking 9820 f/d "Mountain Viaduct" cd. in 16 ds.(Johnston-NY). in 18 ds.(Joseph-LA). 15060 in 30 ds.(Shaffer-IN). 15115 in 22 ds. w/ pennants and badges.(Klasek-MO). 17680 in 27 ds.(Fraser-MA).

COLOMBIA: R. Mira 6015 cd. and 2 stickers in 5 wks. for a SP rpt.(Barto-CT).

CONGO: Voice of the Congolaise Revolution 15190 f/d form ltr. in 16 mo. for a FR rpt. and 3 IRCs. v/s Stephy Richard Koua.(Danylchenko-ONT).

COSTA RICA: TIFC 9645 f/d "Logo" cd. in 4 mo. for an EG rpt. and 1 IRC. v/s Mary Steele. Also rcvd. a pennant.(Onken-IL). in 145 ds. for 2 IRC.(Glazzy-CA). 5055 in 5 mo. for a SP rpt. and 2 IRCs.(O'Riordan-ID). in 6 mo. for ms.(Leithner-TN). f/d cd. in 6 mo.(Kapinos-MA). in 127 ds. for 1 IRC.(George-TX). 5055 and 6035 in 17 wks.(Klein-FL). R. Reloj 4832 f/d "Volcan Irazu" cd. in 26 ds. for a SP rpt. and 1 IRC. v/s Roberto E. Aragon.(Brouillette-MI). in 20 ds. for a SP rpt.(Poole-GA). R. Casino 5954 f/d cd. w/ pennant in 4 mo. for ms.(O'Donnell-PA). 5960 in 4 mo. for a SP rpt. w/ pennant.(Field-MI). R. Universidad 6098 cd. in 139 ds. for a SP rpt. and 2 IRCs. v/s Jose Tasies S., Director.(Glazzy-CA).

CUBA: RHC 11930 f/d purple and black cd. in 106 ds.(Gregory-PA). 17855 in 3 mo.(Johnston-NY). 11760 w/ pennant in 10 wks.(Zimmer-MO). 11725 w/ pennant in 5 mo.(Fraser-MA). 11930 in 1 yr. w/ pennant.(Field-MI).

CYPRUS: BBC 7140 "Bridge" cd. in 7 wks.(O'Donnell-PA).

CZECHOSLOVAKIA: R. Prague 11990 cd. in 62 ds.(Dieckmann-MO). in 34 ds. for 1 IRC.(Minor-AZ). in 52 ds.(Sumner-GA). 7345 in 11 wks.(Zimmer-MO). in 65 ds.(Calderwood-CO). OMA 2500 "Observatory" cd. in 67 ds.(Swanson-IA). 3170 w/ f/d cd. in 2½ mo. for 1 IRC.(McDavitt-NY).

DENMARK: R. Denmark 15165 f/d "RadioHouse" cd. in 1 mo.(Klasek-MO).

DOMINICAN REP: RTVD 9505 f/d blue and yellow "Globe" cd. in 50 ds. for a SP rpt. and 2 IRCs.(Shaffer-IN).

ECUADOR: HCJB 9745 f/d "Jama Coaque Statue" cd. in 4 mo. for 1 IRC. w/ pennant.(O'Riordan-ID). same in 21 ds. for 4 IRCs.(George-TX). in 40 ds. (Harrington-CO). R. Luz y Vida 4850 "Landscape" cd. in 6 wks. for a SP rpt. & ms. v/s Hna Enma Encarnacion.(Lobdell-MA). Radiodifusora del Ecuador-CRE 4766 ltr. in 2 wks. for a SP rpt. & ms. v/s Leonor Pesantes Alava, Secretaria.(Howard-CA). in 2 wk for a SP rpt. (Klein-FL).

Hope to meet each of you at the New England Area DXers Outing on Sept. 9th.

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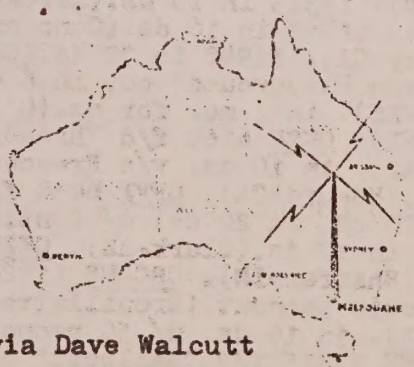

via Dave Walcutt

A.W.A.

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ECUADOR: R. Quito 4920 cd. in 31 ds. for a SP rpt. v/s Jose Almeida.(Onken-IL). in 17 ds. for 2 IRCs.(Roraback-NY). HCJB 11915 f/d "Chorrera" cd. in 27 ds. for 1 IRC(Koskovich-

EGYPT: R. Cairo 12050 CT). f/d "Pyramid" cd. in 56 ds. (Sumner-GA).

ENGLAND: VOA Wooferton 7200 f/d cd. in 4 ds.(O'Donnell-PA). 11960 in 8 ds. (Klasek-MO). 15195 in 8 ds.(Klasek-MO). BBC 6175 cd. in 30 ds.(Dieckmann-

ESTONIA: R. Moscow via MO). Tallin 17700 f/d cd. in 5 wks.(Klein-FL)...Sorry about last month gang. Al Sizer and Bob Rankin * informed me that Kingisepp is in European Russia near Leningrad. However there is a Kingisep in Estonia.I stand corrected...make big BOO BOO. Sam

EUROPEAN RUSSIA: R. Moscow via Ryazan on 11790 in 40 ds.(Tuchscherer-WI). 17775 in 5 wks.(Klein-FL). via Tula on 21490 in 39 ds.(Desrosiers-MA). in 47 ds.(Klein-FL). via Moscow on 15460 cd. in 47 ds.(Klein-FL). via Serpukhov on 17730 w/ f/d cd. in 5 wks.(Klein-FL).

FED. REP. OF GERMANY: Sender Freies Berlin 6190 f/d cd. in 5 mo.(Matthews-OH). "Logo" cd. in 2 wks. for 3 IRCs.(Berg-MA). DW via Werchtal on 6100 in 52 ds.(Shaffer-IN). 9565 in 68 ds.(Calderwood-CO). 6085 in 125 ds. (Eastman-TX). R. Bremen 6190 "Map" cd. in 1 mo. for 2 IRCs.(Berg-MA). Suddeutscher Rundfunk 6030 f/d cd. in 2 wks.(Muick-PA).

FINLAND: R. Finland 15400 f/d "Industry" cd. in 54 ds.(Hinton-TX). "Architecture" cd. in 44 ds.(Minor-AZ). in 28 ds.(Dieckmann-MO). 11735 f/d cd. in 32 ds. v/s Helena Poixa.(Johnston-NY). in 52 ds.(Oakley-CA). 15265 in 25 ds. for 1 IRC.(Dittrich-FL). 15210 in 6 wks.(Zimmer-MO).

FRANCE: RFI 21580 f/d "Le Boulevard" cd. in 50 ds. w/ pennant.(Calderwood-CO) in 19 ds.(Koskovich-CT). in 28 ds.(Davenport-TN). in 37 ds. for 1 IRC. (Sumner-GA). in 45 ds. for 1 IRC. (Fraser-MA). in 48 ds.(Golkin-NY). 21675 in 35 ds. w/ pennant.(Hinton-TX). 21580 and 21620 in 1½ mo. w/ blue and white pennant.(Fedor-CA).

FRENCH GUYANA: FR3 3385 f/d "Map" cd. in 52 ds. for ms.(Clifford-WA). in 60 ds. for 2 IRCs.(Ottaway-CO). in 4½ mo. for a FR rpt. and a tape.(Pappas-PA). in 2 mo. for a FR rpt. and 3 IRCs. v/s FY7BG.(Matthews-OH). in 70 ds. for 1 IRC.(Desrosiers-MA). in 44 ds.(Onken-IL). 4972.5 w/ "Map" cd. in 103 ds. Card had wrong freq. on it.(Valko-PA).

GABON: RTVG 4777 Libreville folder cd. in 5 mo. for a FR rpt.(Fedor-CA).

GALAPAGOS: La Voz de Galapagos 4810 pennant rcvd. in 5 wks. for a SP rpt. (Prisco-PA).

REMINDER: For all of you who are tentatively planning to come to the NEADXO in Sept. Please contact me so that I can make the proper arrangements. So far over 40 people have said they are coming...See you on Sept. 9th here in Watertown. If you live in this area you can't pass this up.

RADIO TROPICAL
TARAPOTO - PERU

OAX 9C - 1340 Kc. O. LARGA
OAX 9D - 9710 Kc. O. CORTA
OAX 9E - 4935 Kc. O. MEDIA

4-05-79

Amigo HENRY R. LAZARUS
New Orleans -U.S.A.

Tenemos el agrado de contestar su amable carta fechada 23-04-79, agradecemos su reporter y también las lindísimas estampillas que son una reliquia para nosotros.- Hemos recibido también oportunamente su amable carta con cinta magnetofonica de grabaciones de nuestro programa, dicha carta contestamos oportunamente y lamentamos que no la haya recibido.- Sus informes son correctos y nos satisface sobre manera tener un amigo más en los Estados Unidos.- Correspondiendo su amable correspondencia, le remitimos nuestro Banderín que esperamos sea de su agrado.- Con saludos especiales para Ud.

JUAN PABLO [illegible]
GERENTE - PROPIETARIO

The Netherland Indies Broadcasting Company, Ltd.

N. I. R. O. M.

B A T A V I A

This is to certify that the reception report of Mr. H.W. Reeves, Houston, U.S.A. via Dave Walcutt

dated 1-2-'37 and received at 2-9-'37

gives correct details about the N. I. R. O. M. program.

The transmitter concerned is P.L.P. at Bandoeng on 11000 kc. / 27.27 mr.

SEE YOU

GEORGIA: R. Moscow via Tbilisi on 15305 w/ f/d cd. in 47 ds.(Klein-FL).

GERMAN DEM. REP: RBI 9730 f/d "Equestrian" cd. in 60 ds.(Fraser-MA). 11805 and 9730 w/ cd. in 58 ds. for 2 IRCs.(Gregory-PA). 11890 w/ "Altes Museum" cd. in 51 ds.(Schmidt-WI). 11805 w/ f/d "Clock Tower" cd. in 2 mo. for 1 IRC.(Waite-FL). 11840 w/ f/d cd. in 58 ds. w/ pennant.(Minor-AZ).

GREECE: VOA Kavala 15270 f/d cd. in 8 ds.(Klasek-MO). Voice of Greece 11730 f/d cd. in 54 ds. for 1 IRC.(Sumner-GA).

GRENADA: R. Grenada 15105 cd. in 94 ds.(Minor-AZ). in 143 ds.(Eastman-TX).

GUAM: KTWR 11890 f/d "Site" cd. in 17 ds. for ms.(Glazzy-CA). 11730 w/ "Relics" cd. in 78 ds. for 3 IRCs.(Oakley-CA). 11840 in 3 wks. w/ pennant.(Matthews-OH)

GUATEMALA: TGNA 3300 f/d "Quetzel" cd. in 77 ds. for 1 IRC.(Calderwood-CO).5955 in 6 mo. v/s Wayne Berger, C.E.(Leithner-TN). TGW 6180 f/d cd. in 1 mo.(Muick-PA). R. Mam 4825 f/d ltr. in 20 ds. for a SP rpt. v/s Hermino Perez L., Director.(Ponder-NC). in 348 ds.(Poole-GA).

GUYANA: GBS 5950 form ltr. in 25 ds. v/s Joy Fraser.(Valko-PA). in 32 ds. for an EG rpt.(Pineault-QUE).

HAITI: 4VTS 5640 La Voix du Nord Ouest f/d ltr. in 6 wks. for a FR rpt. v/s Saint
* Aubea Saint-Il. The Radio Familia pgm. reported here is actually a program on family planning.(Field-MI)...Thank you.Sam.

HAWAII: WWVH 15000 "Ship" cd. in 21 ds.(Hughes-

HOLLAND: R. Nederland 9715 f/d "Costume" MAN). cd. in 56 ds. w/ sticker and pennant.(Dieckmann-MO). 15220 in 3 wks.(O'Donnell-PA). 6165 in 55 ds.(Sumner-GA). 9715 w/ "Bonaire" cd. in 16 ds.
* Dieckmann-MO). R. Viking 6250 f/d cd. in 1 mo. for 1 IRC.(McDavitt-NY).

HUNGARY: R. Budapest 11910 f/d cd. in 36 ds.(Brouillette-MI). in 26 ds. w/ pennant.(Minor-AZ). in 50 ds.(Forman-NY). 6110 in 98 ds. v/s Mari Soter (Dieckmann-MO). 9833 in 19 ds.(Koskovich-CT). 15220 in 1 mo.(Waite-FL).

ICELAND: Reykjavik Radio 12175 f/d "Scene" cd. in 46 ds. for ms.(Glazzy-CA). in 6 mo. for 1 IRC.(Mikell-IL).

INDIA: AIR 11620 f/d "Ganshea" cd. in 141 ds. for 2 IRCs.(name). "Lake Palace" cd. in 7 mo. for 1 IRC.(Fraser-MA). 11725 in 262 ds.(Byron-NY).
* AIR Gauhati 4775 f/d cd. in 7 wks.(Barto-CT).

IRAN: Voice of the Islamic Republic 9022 f/d "NIRT Tabriz Center" cd. in 38
* ds.(Johnston-NY). NIRT 9022 cd. in 7 mo.(O'Donnell-PA).

IRAQ: R. Baghdad 9745 f/f/d "Ahrar Bridge" cd. in 35 ds.(Dieckmann-MO). in 7 wks.(Zimmer-MO). in 59 ds. for 2 IRCs w/pennant.(Hughes-MAN). in 81 ds. for 3 IRCs w/ pennant.(George-TX) in 81 ds. w/ pennant. V/C #100! (Alm-BC).

NEW NEADXO-HAP BID ITEMS: ITEM #1. CBC-NS pennant, blue plastic(3.5x8.5"). ITEM #2. Radio Ulan Bator paper pennant, red and blue(6" long). ITEM #3. Radio Liberation cloth pennant, yellow and black(8" long). ITEM #4. Radio Havana Cuba pennant, plastic coated and double sided, very colorful, red, yellow, blue and black(7" long). ITEM #5. Latvijas Radio cloth pennant white, purple, green and orange(4.5x5"). Latvijas Radio cloth pennant green, silver, grey and orange(4.5x5"). Both of these pennants can be bid on as one item. ITEM #6. Deutsche Welle cloth pennant, blue and white(13" long). ITEM #7. Radio Peking plastic pennant, "Tien An Men", multi-colored (10.5" long). ITEM #8. Radio Peking plastic pennant, "Chingkang Mountains" multi-colored(10.5" long). ITEM #9. Radio Peking plastic pennant,"Landscape", multi-colored(10.5" long). ITEM #10. Radio Peking metal badge, white and gold, @½" square. ITEM #11. RFI plastic bag, red, white and blue w/ logo(17x14"). ITEM #12. Radio RSA pennant-colth, orange, black, blue & white(10.5" long). ITEM #13. TGVN cloth pennant, red, green, yellow and black(6x8.5"). ITEM #14. RFI cloth cap, red, white and blue w/ logo. You can actually wear it! ITEM #15. Radio Australia decal, red, white and yellow(14" long). ITEM #16. Radio Moscow cloth pennant, red, white and blue (5.5" long). ITEM #17. Radio Syria square cloth emblem, white, blue and green(4x3"). ITEM #18. Voice of Newfoundland circular decal, yellow and black(5.5" diameter). ITEM #19. Radio Andorre decal, red, yellow and white (10" long). ITEM #20. Radio Caroline decal, blue and white(16.5" long). ITEM #21. Radio Yugoslavia cloth pennant, blue and white(7" long). ITEM # 22. CKWX cloth pennant,(parent station of CKFX-6080) red and black(14" in length). From what I understand this is a very rare item! ITEM #23. Radio Havana Cuba sticker, red, (4x3"). ITEM #24. BBC Radio Newcastle decal, blue and white,(4x5"). ITEM #25. Radio Korea cloth pennant, red, white, blue and yellow(9" long). ITEM #26. RFI double sided plastic pennant, red, white and blue.(3.5x8"). Many requests for this one! ITEM #27. Radio City paper wall poster, red, white and black(28x20"). Remember to submit your bid to me by ITEM number. I hope I have been offering a little something for everybody. Winners will be announced in the next QSL Column.....Sam.

ISRAEL: IBA 11620 f/d "Folk Dancing" cd. in 53 ds. for 1 IRC.(Tuchscherer-WI). 11655 in 46 ds.(Joseph-LA). in 35 ds. w/ sticker.(Gregory-PA).in 78 ds.(Klasek-MO). 9833 in 73 ds.(Mayer-OH). in 55 ds. for 1 IRC.(Dieckmann-MO). 9435 in 63 ds.(Hinton-TX). 9815 in 9 wks.(Moore). in 69 ds. (Klasek-MO). in 71 ds. for 1 IRC.(Fraser-MA).

ITALY: RAI 9575 f/d "Ritratto di Bambino" cd. in 86 ds. for 1 IRC.(Gregory-PA). f/d "Giorgione" cd. in 81 ds.(Minor-AZ).

JAPAN: R. Japan 9505 f/d "Hakata" cd. in 68 ds.(Klein-FL). 17755 in 35 ds. (Klasek-MO). 9505 "Noh" cd. in 35 ds.(Dieckmann-MO).

JAVA: Voice of Indonesia 11790 f/d "Bull Racing" cd. in 53 ds.(Dieckmann-MO) in 65 ds. w/ pennant!(Hinton-TX). in 55 ds.(Alm-BC). in 1 mo. for ms. (O'Donnell-PA). in 33 ds. for 1 IRC.(Klein-FL). 21590 "Paradise Point" cd. in 43 ds. for 1 IRC.(Minor-AZ). Don could this be Pakistan??? Sam.

KIRGHIZ: R. Moscow via Frunze on 17825 in 5 wks.(Mann-ONT). in 55 ds.(Tuchscherer-WI). in 5 wks.(Klein-FL). 11820 in 5 wks. for 1 IRC.(Lazarus-LA)

KOREA REP: R. Korea 9720 f/d cd.(Fedor-CA). in 29 ds. w/ pennant for 1 IRC. (Ewenstein-NY). "Pagoda" cd. in 18 ds. w/ pennant for 1 IRC.(Poole-GA).

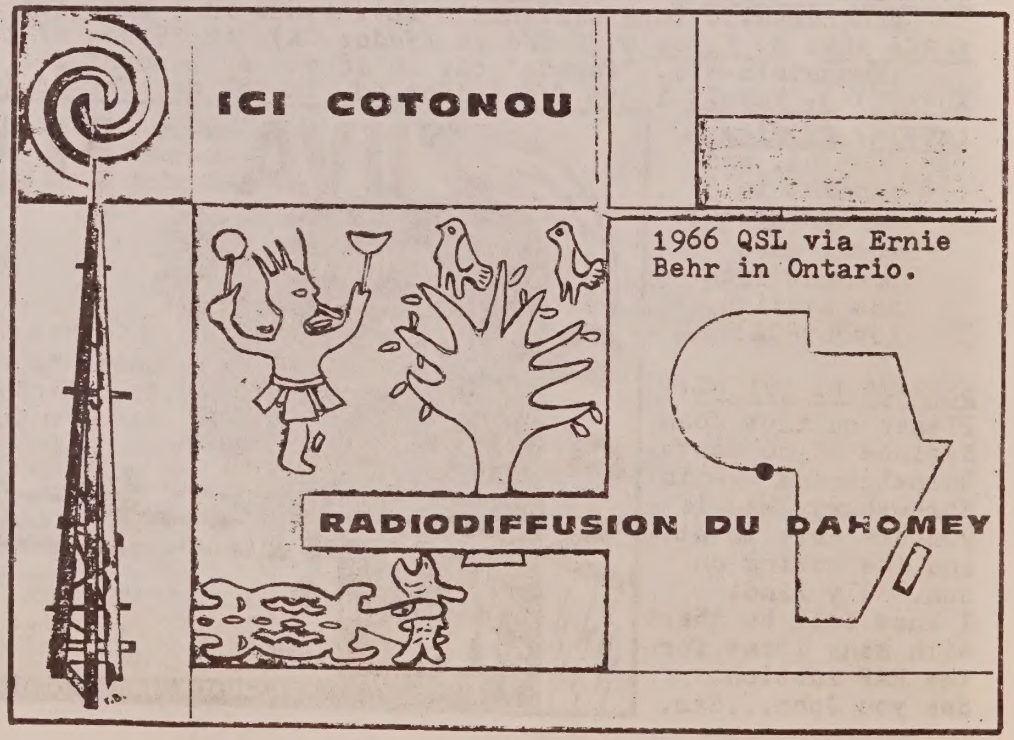
KUWAIT: R. Kuwait 15345 f/d folder cd. in 187 ds. for ms.(Glazzy-CA).

LATVIA: R. Riga 5935 cd. and pennant in 3 mo.(Twiggs-CT) rcvd. nice pennant from the station. (Fedor-CA).

SHREWSBURY OUTING: Please contact John Kapinos of 86 South Quinsigamond Ave in Shrewsbury, MA. if you are able to attend the outing on Sun. July 22nd. I know I'll be there with many items for the HAP auction. See you John...Sam.

SUVA FIJI
AWA
VPD
This beauty comes to us from Henry Ward in Quebec.
THE GARDEN OF THE PACIFIC
AMALGAMATED WIRELESS (AUSTRALASIA) LTD :: SUVA, FIJI

LATVIA: R. Moscow 15220 f/d cd. in 5 wks. for 1 IRC.(Lazarus-LA). in 42 ds. thanks to Roger Legge's help!(Desrosiers-MA). 21615 in 1 mo.(Prisco-PA).
LIBERIA: ELWA 11830 f/d "Drummer" cd. in 1½ yrs.(O'Donnell-PA). 4770 in 15 mo. for 1 IRC.(Tuchscherer-WI). 11860 in 541 ds. for 3 IRCs.(Pickard-IL) VOA Monrovia 11830 f/d cd. in 34 ds and for 6035 in 16 ds.(Concannon-GA)
LITHUANIA: R. Vilnius 15100 cd. in 60 ds. for 3 IRCs.v/s A. Sinkevicius. (Oakley-CA). 11840 cd. and pennant in 82 ds.(Klasek-MO).
MALAWI: MBC 3380 ltr. in 45 ds. for 2 IRCs.(Ottaway-CO).
MALI: RN 5995 f/d cd. in 24 ds.(Campbell-CT).
MALTA: DW 6100 n/d cd. and sticker in 1 mo. Requests a SASE!(O'Donnell-PA).
MANCHURIA: Heilongjiang Peoples Broadcasting Station 4925 via Harbin cd. in * 30 ds. via Peking.(Sizer-CT)...Very nice Al. 3340 in 35 ds. w/ fd(Barto-
MEXICO: R. Mexico f/d in 3 wks.(Muick-PA). XEQM 6105 f/d ltr. in 2 wks. CT). for a SP rpt. and 2 IRCs. v/s Mario E. Gonzalez Peraza.(Waite-FL).
MONACO: TWR 9610 f/d "Map" cd. in 31 ds. for 1 IRC.(Ewenstein-NY).
MONGOLIA: R. Ulan Bator 12070 red and gold cd. w/ 8 pennants.(Fedor-CA).
MONTSERRAT: DW 11785 cd. and bumper sticker in 1 mo.(O'Donnell-PA).
NEW CALEDONIA: FR3 7170 "Map" ltr. in 102 ds. for a FR rpt. and 1 IRC.(Klein -FL). in 5 mo. for an EG rpt. and ms.(Leithner-TN).
NEWFOUNDLAND: CKZN 6160 f/d cd. in 35 ds. for an SASE. v/s F. Holm.(Danylch-enko-ONT). "Industries" cd. in 22 ds.(Clark-AZ).
NEW ZEALAND: RNZ 17770 f/d "Pasture and Mountain" cd. in 1 mo. w/ pennant for 2 IRCs.(Clark-AZ). same in 40 ds.(Hinton-TX).
NIGERIA: Voice of Nigeria 15260 "Logo" cd. in 81 ds.(Minor-AZ). FRC Benin-* Radio Bendel 4932 f/d ltr. in 1 mo. for 1 IRC.(McDavitt-NY). in 25 ds. for an EG rpt. and 1 IRC. v/s M. O. Ejiofoh.(Fisher-MA).
NORWAY: R. Norway 11850 f/d "Spring in Norway" cd. w/ flag in 7 wks.(Moore). in 44 ds. (Joseph-LA). 9645 w/ "Autumn" cd. in 60 ds.(Minor-AZ).9605 in 23 ds. for 1 IRC.(Eastman-TX). 15345 in 25 ds.(Dieckmann-MO).
OMAN: BBC 7250 n/d "Bridge" cd. in 7 wks.(O'Donnell-PA). 9590 in 18 wks. (Clark-AZ). 15310 in 74 ds. for 2 IRCs.(Hensley-TX).in 1 mo. for 1 IRC. (Lazarus-LA). 7140 in 16½ wks.(Buras-LA).
PAKISTAN: R. Pakistan 11675 cd. in 3 wks.(Berg-MA). 17830 "Beach" cd. in 1 mo.(Fedor-CA). in 57 ds. for 3 IRCs.(Danylchenko-ONT). in 58 ds. for 1 IRC.(Calderwood-CO). 17640 in 21 ds. for 1 IRC.(Pappas-PA). 9465 in 1 mo (Zimmer-MO). 17765 in 23 ds.(Valko-PA). 21590 in 43 ds. for 1 IRC.(Minor -AZ). in 5½ wks. for 2 IRCs.(Waite-FL). 15470 in 40 ds.(Gregory-PA).
PANAMA: Voz del Baru 6045 prepared cd. finally rcvd. from Olmeda Morales M., * Gerente. after reporting on this reception since 1970.(Sizer-CT)..Great!
PAPUA: R. Southern Highlands ltr, cd. and pennant in @ 1 mo. v/s Ronald Con-dum.(DiLeo-CT). in 67 ds. via Boroko v/s Jack Arifeae.(Alm-BC). R. Milne Bay 3360 f/d cd. in 67 ds. via Boroko.(Alm-BC).
PERU: R. Union 6115 ltr. in 2½ wks. for a SP rpt. red and white pennant was rcvd.(DiLeo-CT). R. Tropical 4935 cd. in 4 mo. for a SP rpt. and ms. v/s Juan Pablo Mori, Gerente-Propietario. Pennant rcvd.(Lazarus-LA).
PHILIPPINES: RVA 11735 f/d cd. in 3 wks. w/ pennant. v/s Ms. Larissa P. Mal-inao.(Matth-ews-OH).9590 11805 and 15165 in 3 wks.(Matthew -OH). 17710 in 44 ds. w/ pennant.



Our good friend Henry Ward of Quebec was the one who submitted last months 1937 Canary Is. QSL. Henry says he has more QSLs coming prior to 1940...We sure would like to see them...Sam.

NEADXO
Sept. 9th, 1979
Watertown, Conn.
203-274-1142

NEADXO-HAP BID WINNERS: ITEM #1.Don Moore($2.75). ITEM #2. Tom Christian ($2.00). ITEM #3. Richard Pistek ($2.50). ITEM #4. Tom Christian ($20.00). ITEM #5. Tom Christian ($20.00). ITEM #6. John Herkimer ($8.00). ITEM #7. Tom Christian and Dave Wilhite...tie bid...submit another one. ITEM # 8. Tom Christian ($20.00). ITEM #9. Bill Campbell ($3.00). ITEM #10. Richard Pistek ($6.00). ITEM #11. Al Muick ($1.00). ITEM #12. Al Muick ($1.00). ITEM #13.Tom Christian ($15.00). ITEM #14. Al Muick ($1.50). ITEM #15. Dan Jakubowski ($5.50). ITEM #16. Tom Christian ($2.00). ITEM #17. John Herkimer ($7.00). ITEM #18. no bid. ITEM #19. Bill Campbell ($21.50). ITEM #20. Bill Campbell ($26.50). ITEM #21. Al Muick ($1.50). ITEM #22. Al Muick ($1.00). ITEM #23. Dave Twiggs ($1.25). ITEM #24. Richard Pistek ($11.00). ITEM # 25. no bid. ITEM # 26. Tom Christian ($20.00)..... Please submit your checks to me and I811 post your items immediately.

PHILIPPINES: FEBC 11765 f/d "Hut" cd. w/ pennant in 19 ds.(Clark-AZ).15440 in 21 ds. for 2 IRCs.(Gregory-PA). AFRTS 21670 cd. in 54 ds.(Clifford-

POLAND: Polskie Radio 15120 f/d cd. in 80 ds.(Concannon-CA). in 44 ds. WA). (Clark-AZ). in 75 ds.(Schmidt-WI). in 3 mo.(McDavitt-NY). 11815 in 47 ds w/ stickers.(Shaffer-IN). in 61 ds. for 1 IRC.(Calderwood-CO).7270 in 2 mo. v/s Zdzislaw Frackiewicz.(Poole-GA).

PORTUGAL: R. Portugal 6025 f/d cd. in 17 ds.(Koskovich-CT).in 31 ds.(Shaffer-IN). 11935 w/ "Incarnation" cd. in 36 ds.(Hinton-TX).

ROMANIA: R. Bucharest 6155 f/d "Olimp" cd. in 12 wks.(Zimmer-MO). 5990 in 119 119 ds. w/ stickers.(Byron-NY). in 111 ds.(Eastman-TX).

RHODES: VOA 7110 f/d "Four Seasons" cd. in 8 ds.(Klasek-MO).

SABAH: RMS "Map" cd. in 5 wks. for 3 IRCs and used stamps.(Berg-MA).

SARAWAK: RMS 4950 f/d "Broadcasting House" cd. in 18 ds. for 1 IRC.(Moore). same in 2 wks. for 3 IRCs.(Oakley-CA).

SAUDI ARABIA: BSKSA 15060 f/d "Logo" cd. in 3 wks.(O'Donnell-PA).

SICILY: RAI 7175 via Caltanisetta f/d cd. in 4 mo. for 1 IRC.(Kapinos-MA).

SEYCHELLES: FEBA 15405 n/d cd. in 3 wks. for 3 IRCs.(Kapinos-MA). in 1 mo. for 2 IRCs.(Golkin-NY)...Station will only issue f/d cds. to target zone

SINGAPORE: R. Singapore 5010 and 11940 f/d cd. in 2½ mo.(Fedor-CA). 11940 in 7 wks. for 1 IRC.(Buras-LA). BBC 9740 via Kranji n/d cd. in 11 wks.(Klein-FL). nice ltr. w/ veri statement from M.Turner, Administrative Officer in 10 wks. Addr: BBC FES, P.O.Box 120, Bukit Panjang P.O.(Berg-MA).

SOLOMONS: SIBC 5020 f/d "Logo" cd. in 8½ mo. for 2 IRCs.(Onken-IL). in 9½ mo. for 1 IRC.(Clark-AZ). 9545 in 34 ds. for 3 IRCs.(Oakley-CA). in 24 ds.(Hensley-TX).

SOUTH AFRICA: R. RSA 11900 f/d cd. in 17 ds.(Clifford-WA). in 26 ds.(Klasek-MO). ZUO 5000 f/d ltr. in 1 mo. v/s R. Lake. (Berg-MA). Springbok Radio 4810 cd. in 20 ds.(Golkin-NY). 11935 in 831 ds! for 1 IRC. (Ponder-NC)..Quite a wait..Sam.

SPANISH SAHARA: R. Sahara 11805 f/d cd. via REE in 1 mo.(Muick-

SPAIN: REE 11880 f/d "Alcazar PA). de Segovia" cd. in 1 mo.(Klein -FL). in 32 ds.(Davenport-TN). in 38 ds. for 1 IRC.(Fraser-MA) in 25 ds. w/ sticker.(Dieckmann -MO). "Carteles" cd. in 36 ds. (Shaffer-IN). 9630 w/ f/d "Senorinas" cd. in 25 ds.(Byron-NY)

SRI LANKA: SLBC 11835 and 15120 cd. in 10½ mo. w/ the aid of Victor Goonetileke. v/s M. Herath. All after 2 follow-ups.(Berg-MA).

SUMATRA: RRI Medan f/d "Logo" cd. in 2 mo.(Muick-PA).

SURINAM: R. SRS 4850 f/d cd. & ltr. in 45 ds. for 1 IRC. v/s Edith R. Russel, QSL Manager.(Brouillette-MI). in 23 ds. for 2 IRCs.(George-TX). in 14 mo. for a DT rpt.(Pineault-QUE). in 4 mo. on my 22nd try!!!!!!! (Muick-PA). in 55 ds. for 1 IRC (Ewenstein-NY).

SWAZILAND: TWR 4760 f/d "Warrior" cd in 56 wks. for ms.(Glazzy-CA).

SWEDEN: R. Sweden 9695 f/d "Linne" cd. in 22 ds. (Kremer-DL). in 32 ds. w/ "Northern Lights" cd. (Roraback-NY). in 2 wks.(Moore). 11705 in 20 ds. (Johnston-NY). 15240 in 18 ds. (Gregory-PA). 21615 w/ f/d cd. in 34 ds. v/s Gun illa Ginman.(Shaffer-IN).

SWITZERLAND: SRI 15305 w/ f/d "Mountain" cd. in 44 ds.(Sumner-GA). 21630 w/ "Chalet" cd. in 5 wks.(Zimmer-MO). 21570 in 49 ds.(Hinton-TX). 11715 in 18 ds.(Joseph-LA). 21545 w/ special TELEX Club QSL cd.(Berg-MA) 15305 w/ f/d "Fribourg" cd. in 19 ds.(Minor-AZ).

Radio Tirana QSL via Don Minor

TAHITI: FR3 15170 f/d "Nudie Cutie" cd. in 25 ds. for 1 IRC.(Shaffer-IN).

TAIWAN: VOFC 15345 "Horse Painting" cd. w/ pennant in 1 mo.(O'Riordan-ID). 11915 in 11 wks.(Zimmer-MO). 17890 in 2 mo. w/ sticker.(Fedor-CA).

TIBET: Xizang Peoples Broadcasting Station 4035 f/d cd. in 3 wks. via Peking

* (Barto-CT). Xijang Remin Guangbo Dientai 9490 in 30 ds. via Peking.(Si-

TUNISIA: RTVT 15225 f/d "Oasis" cd. in 17 ds. for 2 IRCs.(Glazzy). zer-CT).

TURKEY: VOT 11955 f/d "Love and Peace in Turkish Humor" cd. in 3 wks.(Klein-

FL). in 6 wks.(Kapinos-MA). in 1 mo. (Moore). in 70 ds. w/ pennant.(Gre-

* gory-PA). 9515 in 30 ds. for 1 IRC. (Dieckmann-MO). Turkiye Polis Radio 6340 f/d paper QSL for an EG rpt. and 3 IRCs. 350 watts!(Sizer-CT).

UGANDA: UBC 15325 f/d ltr. in 6 mo. for 1 IRC.(McDavitt-NY). in 3 mo.(Muick-PA). in 94 ds. v/s Cosma Warugaba.(Glazzy-CA). in 9 mo.(Clark-AZ).

UKRAINE: R. Moscow via Simferopol on 17880 f/d cd. in 47 ds.(Klein-FL). same for 17855 and 17880 in 5 wks.(Klein-FL). R. Kiev 15100,7320, and 15240 in 3 wks.(Brouillette-MI). 17870 in 54 ds.(Shaffer-IN). in 2 mo.(Matthews-OH). 15180 in 39 ds.(Minor-AZ).

URUGUAY: El Espectador 11835 f/d cd. in 6½ mo. via registered mail. v/s Jorge Cubilo, Director.(Mann-ONT).

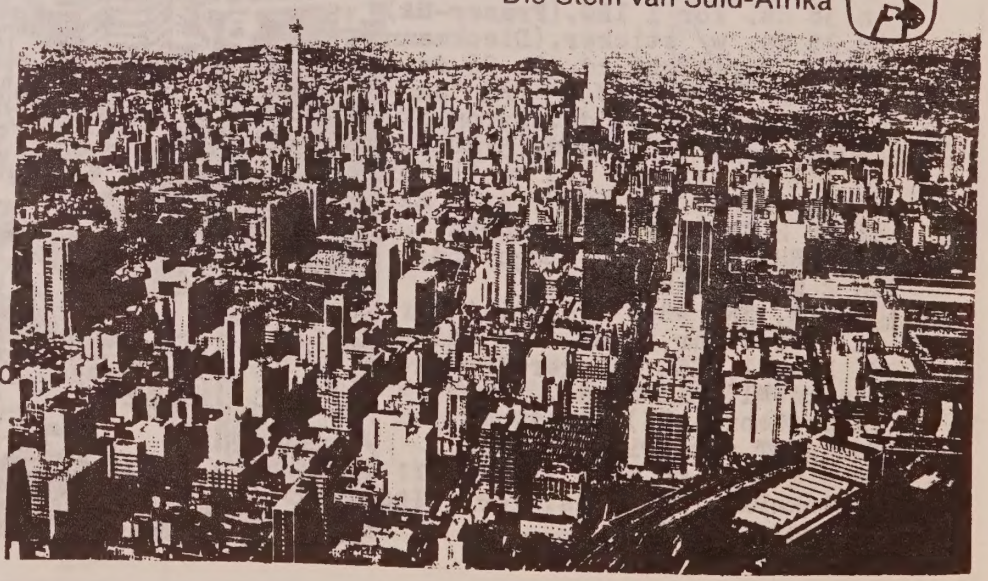
USA: WFAT 1620 folder cd. in 4 ds. w/ ltr. on how they were busted.(Berg-MA)

* Voice of Piracy 26670 f/d cd. in 4 mo. v/s Brian DeLong.(Muick-PA).

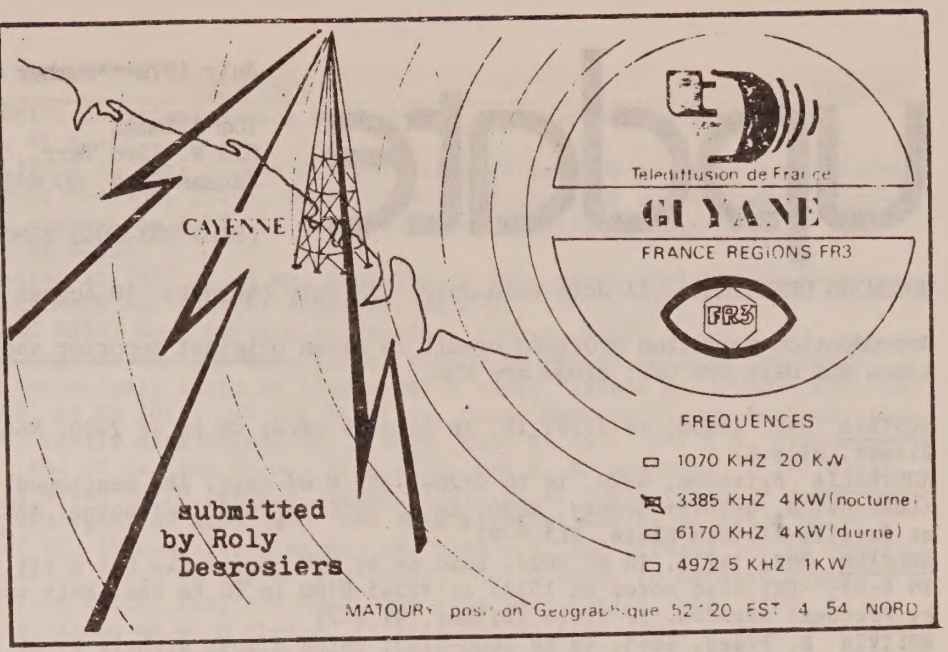
* Voice of Venus 21510 f/d "Logo" cd. in 2 wks.(Muick-PA). Radio Polaris 7590 f/d cd. in @ 1 mo. (Muick-PA). WWV 2500 f/d cd. in 15 ds. v/s John B. Milton.(Hughes-MAN). WAZL 2980 f/d ltr. in 3 wks v/s Ronald J. Gillenardo. (Barto-CT).

* Voice of the OAS 11740 cd. in 1 wk.(Berg-MA)...Rare. UN Radio 15410 f/d cd. in 48 ds.(Dieckmann-MO).

submitted by Don Minor



See you in Sept. Contact me!



USA: AFRTS Greenville 15425 cd. in 52 ds.(Ponder-NC). 11790 in 125 DS.(Golkin-NY). AFRTS 11805 via Dixon "DOD Logo" cd. in 56 ds.(Klein-FL). WINB 15185 f/d cd. in 27 ds.for ms. v/s John H. Norris,V.P.(Glazzy-CA). 15145 in 16 ds.(Campbell-CT). WYFR 21615 f/d cd. in 11 ds.(Koskovich-CT). VOA Delano 17720 in 9 ds.(Klasek-MO). 17895 in 10 ds.(O'Donnell-PA). 15445 in 9 ds.v/s Wayne Green.(Dieckmann-MO). VOA Dixon 11740 in 10 ds.
* (O'Donnell-PA). 21460 in 10 ds.(Klasek-MO). R. Liberation 7425 ltr. and pennant in 1 wk. for a taped rpt. Postmark was Orlando,FL.(Berg-MA).
USSR: R. Moscow 12050 in 22 ds.(Koskovich-CT). 9795 in 47 ds.(Concannon-CA). 9490 in 3 wks.(Brouillette-MI). in 42 ds. w/ pennant.(Klasek-MO). 9505 in 44 ds.(Klasek-MO). 15140 in 30 ds.(Dieckmann-MO). 15180 in 38 ds.(Minor-AZ). 34 cds. for 107 rpts! on every freq. used, 12 postcards and a 5 page personal ltr.(Klasek-MO). Radio P&P red flower cd. in 25 ds.(Dieckmann).
UZBEK: R. Tashkent 9600 cd. in 5 wks.v/s Nadira Babadjanov.(O'Riordan-ID).
VATICAN: RV 9605 "Technical Center" cd. in 38 ds.(Minor-AZ). 9645 in 17 ds.(Dieckmann-MO). 11845 w/ f/d "Palazzo Pio" cd. in 14 ds. w/ pennant.(Dieckmann-MO). in 19 ds. w/ pennant(Clark-AZ). in 24 ds. w/ pennants(Klasek)
VENEZUELA: Ecos del Torbes 4980 "30th Anniversary " pennant in 10 wks. for a SP rpt. and ms. v/s G. Gonzalez Lovera.(Onken-IL). in 5 mo.(Poole-GA). R. Los Andes 6010 personal ltr. in 6 wks. for a SP rpt. and ms. v/s Angel M. Marquez M., Administrador.(Lazarus-LA). R. Yaracuy 4940 cd. in 5 mo. for a SP rpt. and 1 IRC. v/s Oswaldo Alvarez.(Poole-GA). R. Maracaibo 4860 personal ltr. in 16 ds. on my 14th try! for a SP rpt. and ms. v/s Maria A. Serrano, Coordinadora.(Lazarus-LA). YVTO 6100 in 6 wks. for a SP rpt. and ms.(not used) (Kapinos-MA).
WEST BERLIN: RIAS 6005 "Studio" cd. in 6 wks. for 1 IRC.(Rankin-KS).
WEST IRIAN: RRI Sorong 4875 f/d "Logo" cd. in 5 wks.(Muick-PA).
YUGOSLAVIA: R. Yugoslavia 9620 f/d cd. w/ pennant in 11 wks.(Mann-ONT). in 65 ds. w/ a f/d folder cd.(Schmidt-WI).
ZANZIBAR: R. Tanzania Zanzibar 3339 prepared cd. in 5 wks. after several
* tries. Also enclosed ms. Engineer states that they are now back on 3339. (Sizer-CT)...Beautiful Al.

NOT TOO BAD THIS TIME 123 COUNTRIES RPTD. I NEED ANOTHER PAGE!!

FROM THE FLOOR..... ***some real good ones here...Sam.
ANTARCTICA: AFAN 6012 n/d cd. in 25 mo.(Biasini-ALB).
BOUGANVILLE: R. North Solomons 3322.5 ltr. in 17 ds. for 2 IRCs. v/s Aloysius Rumina, Station Manager.(Glazzy-CA).
ENGLAND: R. Mercury 6260 f/d cd. in 1 mo. for 1 IRC.(McDavitt-NY). European Music Radio 6235 f/d cd. in 1 mo. for 1 IRC. (McDavitt-NY).Logged in EUR.
INNER MONGOLIA: Nei Monggol Peoples Broadcasting Station 6974 f/d cd. via Peking in 3 wks.(Barto-CT).Not a separate country but it sounds nice!
TANGIER: VOA cd. in 16 ds. v/s Kathy Burson.(Klasek-MO). NEADXO Sept. 9th.

NOTES: Don't forget, if you are tentatively planning to attend the NEADXO please contact me as soon as possible. We have over 40 names on the list. Add your name to it. The names will be published in the August Column. Ed Pyatt of Apt. 202-West, 1200 Columbia Ave, Philadelphia, PA. 19122 has the following pennants available for trade: AWR, NIRT, La Voz de El Tigre and HIFA... Roger Legge of Box 232, McLean, VA. 22101 publishes the best newsletter in existance concerning the broadcasting stations of the USSR You may contact him for further details. Its a great investment...Sam. John Santosuosso of 4927 Bobbie Ave., Lakeland, FL 33803 would like the address for Radio Caroline in Europe. Can someone help him out? Thanks for the old illustrations Dave...Sam.Lots more but out of space. 73s Sam

update

July 1979***Number 46

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111 USA

(816) 931-5943 2330-0300 GMT only!!!

UPCOMING DEADLINES: 11 July (Mid-July) 23 July (August) 10 August (Mid-August)

Reproduction permitted provided credit is given original reporter and NASWA UPDATE. Dates, times and days are GMT; freqs are kHz.

AUSTRIA ORF, 15200, at 2228; IS, ID into SP after GM px at 2200. Not listed in sked. (Bob Zilmer, WI 6-5)
AUSTRALIA Brisbane, 4920, in EG 0728-0735; M w/ talk, ABC mentioned, W w/ interview. Fair. (Lukosavich, 6-10)+++Sydney, 6090, in EG 0930; // 6150 Melbourne. ABC ID, easy listening mx at fair level.(Stu Klein, FLA 6-9)
BELGIUM BRT, 11715, in EG 0022; Euro nx by M&W. Great Sig but a bit overmodulated. (Shaffer, IN 6-9)---BRT also noted on 15175 at *2345-0100 in EG to NAm. Fair sig to 0000, when covered by Portugal sign/on. // 11715 (Zilmer, WI 6-7)
BOLIVIA R. Fides, 4845, in SP 0000-0145; noted almost nightly w/ SP nx, IDs and ads. QSLed in 12 days. Beat that Atlantida! (Terry Krueger, FL)---Fides also noted at 0020 in SP; M w/ talks, long string of ads, mentions of Bolivia, ID by M and nx. (Klein, FLA 6-9) +++ R. Panamericana, 6035, in SP 0045; bad het. LA and local mx, many ads w/ La Paz phone numbers. (Klein, FLA 6-12) *** Did you get ID, Stu??? tba*** R. Stentor, 6093a, in SP 1026; ID, TC, during wild Bolivian mx. (Jack Jones, MISS 6-7)
BRAZIL R. Globo, 6035, in PT 0852; ID, ads, Brazilian pop mx. (Jones, MISS 6-17) +++ R. Nac. Brazil, 11780, in PT 0015; TC by W w/ Brazil mentioned. Clearer than 03-04 service on 15290. (Shaffer, IN 6-9)
CANADA CKFX Vancouver, 6080, in EG 0950; finally heard here. M&W, C&W mx, ID. Ruined by DW sign on at 0955 on 6085. (Perdue, ALA 6-6) +++ Pirate CREW, Halifax, NS, 1615a, in EG 0351 2 June; rock mx and many IDs. Believe this was their first b'cast. Pse QSL to 160 New St., Bristol, CONN 06010 USA (Dave Twiggs)
CHILE R. Nacional, 6190, in SP *1100-1110; ID, chimes and nx. (Krueger, FLA 6-18)
COLOMBIA R. Guatapuri, 4815 in SP *0959; NA, calls, ID, freqs. Farm px, animal sounds--dogs, cows, roosters, pigs. (Jones, MISS 6-8)+++LV del Caqueta, 5035, in SP 0715; "Buenos dias Colombia," typical latin mx, must be for early risers. (Klein, FLA 6-11)+++R. Melodia, 6045.4, in SP 0230-0413; lovely Colombian mx. Mostly IDing and Melodia, but had a few dual IDs mentioning Tolima as well. Nothing heard on listed 6140. 0356 chimes, "Esta es R. Melodia, HJCU," power and freq for 730 kHz onda larga. Possible s/off anncmts, but instead went into pgm of ranchero mx called "Mexico en Colombia"at 0359. Not heard next night. (Dave Walcutt, TX 6-19) ---Melodia also heard on 6045 at 0953; same ID as in past--no mention of SW. "La Cadena Lider." Het w/ RA. (Jones, MISS 6-21) +++ LV de la Selva, 6170, in SP *0908; ID, calls, freqs, 5kW on SW, "Caracol, Rdf del prestigo." Into B. Dias Campesino pgm. (Jones, MISS 6-17)
COSTA RICA R. Casino, 5954, in EG 0510; comedy record, LA mx, then talk by W. (Shaffer, IN 6-11) +++ R. Noticias del Continente, 9480av, in SP 0014 ; same test test as always. Also noted on 9495. Tx in big trouble. (Klein, FLA 6-14) --- Noticias also noted on 15 June on 9490. Same format. (Bob Underdown, ARK)
DOMINICAN REP. RTVD, 9505, in SP 0140; frequent IDs, mx, nx. (Chris Leithner, TN, 6-5)
ECUADOR HCJB, 3220, in Quechua or similar 0110-0130; Sermon, ID. (Krueger, FL 6-16)---HCJB also noted on 3220 at 0930 in Indian; pips, Ecuadorian mx, ID // 6050. Hrd at *0900 6-5. (Jones, MISS) +++ LV del Triunfo, 3252.5, in SP 0335-0400; US pops, ID by M, also "Triunfo" IDs or mentions, flute breaks, latin ballads, ads, full ID 0400. (Perdue, ALA 6-6) +++ R. Federacion, 4960, in SP 0210; M anncr, mentions of Ecuador, ID, Andes style mx. (Klein, FL 6-6) +++ Ondas Azuayas, 4980, in SP 0430; LA ballads, ID by M, "Hasta manana, amigos," 2d ID, freq, QTH, march mx, HC mx, and kept going. (Perdue, ALA 6-6)
FALKLAND IS. Falkliand IS B. Ser, 2370, in EG 0120-0150+; BBC type play to 0128; W anncr: "This is the Falkland Is B'casting Ser.," M w/ brief summary of world nx and financial quotes. On lat on a Friday. Strongest at 0130. (Perdue, ALA) *** As the room fills with envy . . . tba
FINLAND FIR, 15270, in EG *2130; IS, ID for s/on by W. Poor. (Shaffer, IN 6-8)--- FIR, also noted on 15270 at 2300-0000, up from 15265, w/ EG to NAm 2330-0000. // 11800. Poor freq management as this freq is also used by R. Japan. (Zilmer, WI)
FRANCE RFI, 11845, in FR to Afr 1909-16; M w. Afr nx, ID at 1915. (Lukosavich, 6-5)
FRENCH GUYANA FR3 Cayenne, 3385, in FR*0900; s/on w/ La Mars'e, ID by M, freq, orch mx and FR vocals. Very good. (Perdue, ALA 6-6)
GREECE ERT, 9655, in EG 0220-0230 w/ nx. ID in Greek and EG; local mx 0230. (Leithner, TN) +++ VoG, 17785, in EG 1215-1225; talks and into GK mx at 1225. Poor. (Zilmer, WI 6-9)
HAITI 4 VEH, 9770, in EG 1126-40; "Guidelines" px, ID and TC. (Lukosavich, 6-6)
LEBANON Beirut, 15285, in EG 0235-55; nx by W, "This nx bulletin comes to you from Beirut," ID, US pops. (Lukosavich, 6-7)

MALI Bamako, 4825, in FR 0610; chanting/singing w/ drums, M anncr between songs w/talks. Mentions of Bamako. (Klein, FL 6-15)

MALAYSIA RMS, 4950, in EG 1110; in very nicely for this time of year. W anncr w/ easy listening orch mx. (Perdue, ALA 6-6) +++ VoM, 15295, in EG 0735-0855*; comment on Vietnamese refugees, mx, pgm on Islam, nx, comment on SALT II, extracts from Malaysian nxpapers. Many TCS and IDs. (David Schweikart, VA 6-15)

MOROCCO RTVM, 21735, tentative at 2057 w/ AR mx, no talks at all, hence designation as tentative. Time freq and format check out though. (Shaffer, IN 6-8)

NEW ZEALAND RNZ, 6105, in EG 0956; Home Service to Pacific. (Jones, MISS)

PAPUA NEW GUINEA Stu Klein reports another exceptional window to PNG on 17 June. He heard: +++2340 R. W. New Britain tentatively heard at 1010in PD; M anncr, island mx. almost sure but no ID.+++R. New Ireland,2428, in PD 1015; C&W and local mx; clear mention of New Ireland. +++ R. Madang, 3260, in PD 0950; really nice island mx; M host. Poor to fair. +++ R.S. Highlands, in EG 1005; M anncr w/ tail end of nx, and EL mx. Freq 3275. +++ R. N. Solomons, in PD 0945: M anncr w/ religious talk in mixed EG/PD. +++R.E. Sepik, 3355, in EG 1005; tones, M anncr, TC, ID: "NBC, R.E. Sepik," and local nx headlines. +++ 3360 R. Milne Bay in EG 0955; heavy adjacent UTE QRM. M anncr w/ TC, ID easylistening mx. +++ 3385 R.E. New Britain, in PD 0940; PD versions of timeless classics like "On Top of Old Smoky," and M anncr in between these musical masterpieces. (all from Klein, FLA) +++ Other PNGs from Neal Perdue, ALA: 2340, R. W. New Britain in Eg 1012. Wild island mx w. M chorus, fiddles and guitars, TCs, M anncr. Interesting. +++ 2428 R. New Ireland, in EG 1005; M w/ nx, mentioning PNG, into island chants.+++ 3322 R. N. Solomons, in lang 1025; island mx, Beach Boys mx, M anncr in a mess of RTTY.+++ 3260 Madang in EG/lang 1030; US C&W--played"Mississippi"for Jack Jones I suppose. Mentioned Madang. Closed down or lost it suddenly 1050. (All from Perdue, ALA 6-6) +++ NBC, 4890, in PD 0826-0835; M w/ talk, ads, mx. Lukosavich, 6-10)

PERU R. Andina, 4995, in SP 0135; sneaking past an unusually subdued WWV w/ M anncr in long talks, several IDs, lovely local mx. (Klein, FLA 6-6) ---Andina also noted at 0425 6-6; usual pretty Peruvian mx, not as strong as other 60m OAs. (Perdue, ALA)+++ R. Eco, 5010, in SP 0410; M anncr w/ lively LA mx. (Perdue, ALA 6-6)+++R. Libertad, 5040, in SP 0420+; rather high-tone Andean mx similar to that popularized by Yma Sumac in the early 50s. (Perdue, ALA 6-6) *** Neal continues, "Yeah, I know, 'Who is Yma Sumac?' She's a Peruvian singer, or was. Some may remember, some may not." I fall into the latter category. tba*** R. Loreto, 5050, in SP 0405; M&W anncrs, ads, lively LA mx, IDs, TCs. (Perdue ALA) +++R. El Sol, 5970, in SP 1050; beautiful local mx, M anncr, "El Sol en los Andes," more mx. (Klein, FLA 1045) +++ R. Victoria, 6020, in SP 1047; national nx. (Jones, MISS) +++ R. La Cronica, 9522, 2343-0100; excellent w/ ID local "Noticias en La Cronica," ads for Coke and Banco Nacional, serial after 0000. (Krueger, FLA 6-6) ***And a nice log, too. Congrats, OM. tba

PORTUGAL RP, 15170, in PT *0000; very strong w/ PT pgms. (Zilmer, WI 6-7) +++ RP noted 1825-1831 in EG; ID by M, instrumental mx, and into FR 1830. (Lusokavich, 6-12)

SAO TOME R. Nac., 4807a, tentatively noted in PT 0603; very weak, M anncr, PT, distinctively Afr chants. Possible ID. (Klein, FLA 6-7)

SENEGAL Dakar, 4890, in lan 0640; local harp mx, m singing in local lang. (Klein, FLA 6-7)

SOLOMON IS. SIBC, 5020, in EG 1120-34*; usual pop mx, M w/ IDs and off w/ NA. Excellent 6-6 in active condx 31 hours after solar flare. (Perdue, ALA)---SIBC also noted 0930 w/ local nx by M. (Klein, FLA 6-10)

UPPER VOLTA RTVV, 4815, in FR 0557; M anncr w/ local nx headlines; mentioned Ouagadougou. ID on hour. (Klein. FLA 6-7)

URUGUAY R. Carve, 6155, in SP 0858; Nice ID, possibly call letters too, TC, "en Montevideo." S/on??? (Jones, MISS 6-16)

VENEZUELA R. Universidad, 3395, in SP *0957; NA, ID, usual pgm. (Jones, MISS) +++ R. Yaracuy, 4940, in SP *0952' NA, martial mx, ID, calls, freqs. (Jones, Miss 6-8) +++R. Angostura, in SP *0923; NA, ID, calls, freqs, mx. (Jones, MISS 6-19) +++R. Turismo, 6180, in SP 1029; TCs, ads, LA pops. Many mentions of Valera. ID "en Turismo." (Jones, MISS)

NICARAGUAN FOLLIES R. Sandino has apparently left 7315 for its old haven of 7588v. Noted w/ usual px and usual jamming by many reporters. First in was Rob Keeny in KS, who has followed them around for a while. I also received two reports of Sandino on 4587 and 4583v on 6-14, but suspect that these are images generated insde the receiver. Nevertheless, further checks of this area may be in order. R. Reloj continues to relay Sandanista messages or pgms, and R. Noticias has joined in, relaying Sandanista pgms 0230-0300. Noticias' tx has settled down on 9615 by the way. (Walcutt, TX). Shaffer, IN also noted Sandino on its old freq w/ varying freq on 10 and 11 June. Can anyone provide information on whether these people will QSL??? tba

JUST IN UNDER THE WIRE: LV del Centro, 30475 (5 x 6095), in SP 1630; nx and usual style pgms. Located in Colombia. (Jean-Jacques Bloch, MD) *** A fascinating and unusual log. tba

FROM THE EDITOR: Several housekeeping matters: (1) SEND YOUR MATERIAL ON ONE SIDE OF THE PAPER ONLY. I only use material on one side of a page. (2) The abbreviation "tx" means transmitter in NASWA-ese, not talks. (3)Deadline for FRENDX UD is 6 p.m. Central time on the date of deadline. NO EXCEPTIONS as issue must be compiled and typed before Tuesday noon. 73, Tom

log report section A 1600-4899

DAN ROBINSON

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We're swinging into July already and I hope everyone has had a good Fourth even with all the current problems with gasoline. Ron Howard, from Santa Barbara writes "...you do a great job with LR-A and I know it must be a lot of work." Thanks for the good words, Ron. Kevin Meyer, LR-A's contact in Lima says he has accumulated 50 logs (I assume they're Peruvian/Bolivian logs) and he'll have them next month. I'm waiting with bated breath, Kevin! Finally, I'm sure everyone knows by this time that the Nigerian on 4,755 is the IMO BROADCASTING SERVICE, NOT the Ibo or Igbo. . . . . .

2340 NEW BRITAIN(PNG) R.W. New Britain: 1134 Pidgin, M ancr, tribal singing, QRM de China (DW Johnson) 1223 Pidgin, lcl group song, ID, TC; f/out 11 minutes past sunrise my QTH and my 18th PNG (Pitts 5/27) Nice going....DR

2376 PAPUA NEW GUINEA R. Chimbu: 1230-1300* Pidgin, rock mx px w/male ancr, ID, NA, and s/off 1300 (Pitts 5/23)

2428 NEW IRELAND R New Ireland: 1125 Pidgin, lcl vocal mx, M DJ, TC 1130 for half past nine, Good (DW Johnson 6/2) 1005 w/2 M DJs, TC for "10 minutes after 8:00" into pgm of island mx (Klein 5/15)

2450 BRAZIL R Cultura de Aracatuba: 0032-0050 PT, M covering futbol, no IDs noted, clear sigs; last rptd Nov '76 in NASWA (Krueger 5/20) 0110 PT w/clear "Radio Cultura de Aracatuba en Brazil" ID, Braz. mx (Saylor 5/19) 0056 (Moore)

2450 PAPUA NEW GUINEA R W. Highlands: 1223-1258* Pidgin, pop mx, M ancr, s/off w/o NA after devotional or sermon (Pitts 5/24)

2468T PAPUA NEW GUINEA R Northern District: 1238-1255 Pidgin, lcl mx, group vocal, flute mx, M ancr to fade out (Pitts 5/22)

3000T CHINA (Fuzhou PLA): 0720 CH, tlk by W (Witte)

3205 BRAZIL R Riberao Pretoz 0047-0057 PT, soccer covg (Moore 5/25)

3210 UNID: 0910-0919 w/Andean mx, harps, flutes, guitars, QM w/TCs but no IDs hrd; signal very good on 6/2 (McVicar)

3215 VENEZUELA Ondas Panamericanas: 0945 SP, YV pops, M ancr w/ID,TC(Klein 5/12) 0357 w/ID by M (Valko) 0255 w/bance ad, frequent IDs(Moore 5/17) 0140(Alexander)

3215 SULAWESI RRI Menado: 1119 IN, woman w/ID "Manado" and tlk(DWJohnson) 1227-1232 C&W theme w/guitar & orch; 1230 YL ID: Inilah Radio Indonesia, Menado"(Poppin 5/26)

3220 ECUADOR HCJB: 0857 w/instr mx, Quechua px, ID by M //6050, G (Lobdell 6/1) 0930 in Quechua w/time pips, Ecuadorian mx, ID, //6050 (Jones 6/1) 0910 (Klein 6/3)

3220 PAPUA NEW GUINEA R Morobe: 1015 Pidgin, M ancr w/tlk in Pidgin (Klein 5/29) 1232-1240 Pidgin, TC "22 minutes to eleven o'clock"(Poppin 5/26) 1246-1301* lcl mx, sermon at 1253, ID, NA and off (Pitts 5/10) 1117 pop western mx, (DW Johnson)

3223 SWAZILAND Radio SR: 0435-0450 EG, disco EG mx, M DJ, ads for Lucky Strike Cigarettes (Howard 5/18)

3232 CONGO RTV: 0420-0515 FR/Vern w/FR and lang tlk, drums (Jordan 5/19)

3235 BRAZIL RC de Marilia: 0109-0133 PT (Moore 5/25) Your Unid....DR

3245 PAPUA NEW GUINEA R Gulf District: 1234-1259* Pidgin, rock mx, TC, M ancr between songs, ID, closing ancmts, NBC chimes, NA at s/off (Pitts 5/26)

3252a ECUADOR LV del Triunfo: 0419 SP, mx, ID 0419 (Valko) 0435-0503* (Klein 6/2)

3255 VENEZUELA LV del Tigre: 0455-0503* SP, slow romantic ballad, tlk in SP by DJ, jingle and s/off (Jordan 5/13) Beward this freq for Brazilian/Tigre mix....DR

3260 PAPUA NEW GUINEA R Madang: 1045 Pidgin, C&W, island mx, ID on hour to mx(Klein) 1112 Pidgin, lcl and C&W mx w/M DJ, TC(DW Johnson 6/2)

3265 MOZAMBIQUE RM: 0400-0409 PT, 4 note IS, QM w/ID and anmts, NA, into Afro choral mx (Moore 5/22)

3265 SULAWESI RRI Gorontalo: 1324 w/ID by M @ 1329 to 1330* (Oakley 5/20)

3275 PAPUA NEW GUINEA R So Highlands: 1020 Pidgin, M ancr w/mention of "R So Highlands, Papua New Guinea..." into lcl chanting type mx, F (Klein 5/19)

3277T JAVA RRI Jakarta: 1147-1210 w/Woman vocalist, slow rock mx, 1159 Band mx, W ancr, pips and ID but W also mentioned "suara." Into radio play (Poppin 5/11)

3290 PAPUA NEW GUINEA R Central: 123601303* Pidgin, nice lcl group singing, ID for NBC and chimes similar to old NBC net chimes, NA at s/off (Pitts 5/25)

3294.6 KALIMANTAN RRI Samarinda: 1224-1245 IN, warta berita, SCI & RRI to 1228 ID, M in IN, instrumental C&W like "I Walk the Line..." (Sheedy 5/15)

3300 GUATEMALA R Cultural: 0320 EG bible pgm (Sayler 5/23) 0357 EGGliksman)0419 EG (Melvey) 0305 w/relig px (Jordan) *1057-1105 SP/VN (Sheedy)

3322½ BOUGAINVILLE (PNG) R No Solomons: TENT 0908 tlk by M/W; light island type mx; (Lobdell 6/4) 1052 Pidgin and island mx, many ments of PNG (Klein 5/15) 1148 w/ mentions of Kieta in Pidgin (Poppin 5/7)

3325 KALIMANTAN RRI Palangkaraya: 1212-1219; OM in nx 1214 w/mentions of "berita Jakarta"; 1217 W with "Radio Indonesia Palangkaraya." It seems many Indos emit "republik" when IDing (Poppin 5/11) In the "Don't You Believe" section, a rpt fm a Washington, D.C. DX'er (who shall go nameless) of Palangkaraya at 0600 GMT...DR this was on Radio Moscow's DX Program by the way...DR

**3330 PERU Ondas de Huallaga: 0815 SP, Huayne mx w/male DJ, 2 very complete IDs every 30 minutes; good sig with some QRN (Meyer-PERU 5/20) Also hrd here in D.C. under CHU; signal quite good some nites but always smashed by CHU....DR

3335 PAPUA NEW GUINEA R East Sepik: 1108 Pidgin, pop Western vocal mx, W with tlk (DW Johnson) 1040 w/lcl mx, Pidgin tlk(Klein 5/9) 1301* ID, closing anmts (Pitts)

3345T MOLUCCAS RRI Ternate: 1220 M ancr in presumed nx refs to Jkrta, Indonesia, Australia, Vietnam, Malaysia, America, Samarinda, Washington; 1233 high voiced ancr mentions "Ternatee..." (Peppin 5/11) 1257 IN, Jakarta nx (Pitts 5/22)

3355 VENEZUELA R Impacto: 0256 SP, M ancr w/tlk, ID at hour (klein 5/9)

3360 GUATEMALA LV de Nahuala: 0350-0440* SP, marimba, ID, NA, s/off (Jordan 5/18)

3360 PAPUA NEW GUINEA R Milne Bay: 1035 EG, M ancr w/lcl nx, sev IDs (Klein 5/9)

3365 BRAZIL R Cultura Araraquara: 0020-0110 PT, M&W ancrs, EL mx, tlk (Alexander 5/22)

**3370TT BOLIVIA R Universidad: 1043 SP, news bulletin w/alternating M ancrs; rapid paced; good sig but some het; sometimes seems to vary freq (Meyer-PERU 5/23) Kevin, this hasn't been rptd anywhere as far as I can see....sure of ID and freq?....DR

3375T ECUADOR R Melodia: 0315-0350 SP, M ancr in SP tlk, mx pgm w/slow flute piece, LA pop & jazz guitar sets, "R Melodia" ID 0330, fair to poor(Jordan 5/18) You're sure about ID on this one....? not rptd anywhere recently.....DR

3375 ANGOLA R Nacional: 0406-0420 PT, M w/ancmts, lcl mx, NA &ID 0446(Moore) NA at 0446???

3380 ECUADOR R Iris: 0225 SP, "R Iris" ID, LA mx (Saylor 5/19) 0315 (Moore 6/3)

3380 MALAWI MBC: 0336-0400 VN, lcl mx, Chichewa tlk by M, ads, TCs (Onken 5/18)

3385 NEW BRITAIN RENB: 1045 EG, island mx, M ancr w/PSA's (Klein 5/15) 0954 Pidgin & EG, "Disco Duck" song, ID, drum on the hour, into Pidgin nx, ID, TC(Cunningham) 0845 EG/Pidgin w/island mx, ID 0908 (Clifford) 1105(DW Johnson) 1250 (Oakley)

3385 FR GUIANA FR3: *0900 Cayenne, guitar IS, NA, pop mx(Jones) 2340 (Krueger)

3390 ECUADOR R Zaracay: 1037 SP, transmission started 1010 w/sev IDs bunched up, about four per 30 minutes after that; (Meyer-PERU) 0350 w/Ecuadorian mx (Alexander) 0450 LA mx, M DJ (Moon 5/8)

3395 VENEZUELA R Universidad: 0400 SP, M ancr saying bye-bye for nite, NA(Klein) *0957 NA, ID, usual pgm (Jones 6/1)

3395T SUMATRA RRI Tanjungkarang: M in IN tlk 1238, lcl rock mx (Poppin 5/11)

3396 NIGERIA NBC Kaduna: 0450 Vern/EG; tlks by M, tribal chants, EG ID which sounded like "This is the State Radio Station, Kaduna" at 0458; pgm preview, then EG nx 0500 following brief "talking drums"; rock pgm after nx (Pappas 5/24) Not hrd often lately....DR

3396 RHODESIA RBC: 0410 EG, end of nx by W, into mx (Moore) 0400 EG tlk (Alexander)

* 3427 IRIAN JAYA RRI Manokwari: 1140 IN, lcl pop vocal mx (DW JOHNSON) 1302 IN, RRI Jakarta nx, 1306 lcl studio w/tlk by M (Pitts 5/27)

*3553T PERU R Dif la Convencion: 0015-0045 SP, guitar riff, definite SP M into futebol, weak and fading; freq approximate (Krueger 6/1) While we're on the subject of Peruvians and Bolivians on these freqs, Padilla is now off the air.....DR

3869 UNID PIRATE: 0310-0316* EG, professional sounding, hi-fi stn w/rock mx and UK accented DJ:"From international waters, this is Radio High Seas Intl" IS on drums and s/off (Novello 5/28) (Saylor 5/19) Believe nothing more than ARO.....DR

3905 ADMIRALTY IS R Manus: 1055 Pidgin/EG, Western pop mx, M DJ, ID 1100 (DW JOHNSON) 1048 Pidgin, M ancr, island mx, mentions of PNG (Klein 5/10) 1048-1103 C&W mx, ID "NBC Radio Manus...", three chimes and nx; HIC 172 (Krueger 5/16)

3925 PAPUA NEW GUINEA NBC: 1103-1108 EG, ID, nx //4890 (Krueger 5/16)

3955 GT BRITAIN BBC: To my surprise BBC WS hrd here suffering co-channel QRM fm another stn 5/31 at 2310, which, after BBC went off 2314 turned out to be Polish Radio in German. My guess is that when Warsaw began using 3955, BBC found the het (to 3952.5) intolerable and decided to zero-beat them instead(Hauser-Austria)

*3960 SULAWESI RRI Palu: 1050 IN, M DJ w/lcl pop mx, Fair w/AROs (DW Johnson) 1317 W w/mention of Jakarta, band mx, fast version of presumed NA, W ID"Radio Indonesia PA-LOO" (Poppin 5/11)

3980 GERMANY (FRG) VOA Munich: 0320 EG, nx weak but clear signal (Halsema 5/10) Mr. Halsema notes this is VOA's lowest SW freq and 8 kW...thanks for the rpt...DR

3985 ECUADOR Escuelas Radiofonicas Populares: *1029 SP, flute mx, ID by M(Krueger)

*4000 SULAWESI RRI Kendari: 1315 M prayer-chant; 1316 M mentions "Kendaree..." repeats Kendari and into tlk (Poppin 5/26) 1045 IN, M DJ w/lcl pop mx (DW JOHNSON 6/2)

4485 BASHKIR SSR Ufa: 1235 w/jazz mx, W singing pop mx (Oakley 5/6)

4680 ECUADOR R Nac Espejo: 0505 SP, Andean mx, ID (Waite 5/8) 0100 w/IDs(Klein 5/9) Was off the air for quite a few days....DR

*4696v BOLIVIA R Riberalta: 0304 SP w/charango, organ mx, folk vocals, ID by OM 0400; Poor sig (Lobdell 6/2) 0130 w/good sigs, Bolivian mx w/man announcing titles (Meyer-PERU 5/22) 0207-0223 and 0232-0406 SP w/Andean melodies on guitars, harps; Bolivians really coming in lately during early PM (McVicar) 0043 (Krueger)

4719 CELEBES RRI Ujung Pandang: 1005 IN, lcl mx px, some island mx; 4753 covered by HJ 4755 (Klein 6/3) 1252 ID 1305* (Oakley 5/6) 1327 ment Ujung Pandang(Poppin)

4725 BURMA BBS Rangoon: 1155 Lang, lcl vocal mx, M ancr w/poss ID 1159 (DW JOHNSON)

4738 BOLIVIA R Abaroa: 2336 SP, good signal thosome QRM which cuts out at 0100; some complete IDs w/a birthday greeting pgm; children's pgm followed; no ads for a full 45 minutes@ (Meyer-PERU 5/19) Kevin, note 4762 Abarea rpt...DR 4740 Mamore

*4740 BOLIVIA R Mamore: 0143-0330 SP, w/Andean love songs, TC 0200 by M; more Andean melodies; at 0311 got definite ID by M, then more mx; still there 0410 check (McVicar) It occurs to me that these two are awful close (4738-4740); wonder if there has been any mistake in IDing this one here....

4750 CAMEROUN R Bertoua: 0503 EG //4850, mx in EG by Mp splash fm 4755 (Klein 6/4)

*4753 BOLIVIA Radioemisoras Bolivia: 1030 SP, good sig tho very high QRM; political notes pgm, mx and then something in Quechua; usual huaynos w/fast tlk(Meyer-PERU)

4755 NIGERIA Imo State Broadcasting Service: 2300-2302* EG, s/off anmt(Krueger 5/23) 2250 EG w/mx, ID at 2301* (Klein 6/2)

4755 BRAZIL R Educ Rural: 0825 PT, M ancr in tlk over mx and cow moos, bird chirps to lcl mx &Klein 5/12)

4755 COLOMBIA Em Nueve Mundo: 0342 SP, LA pop mx, mentions of Colombia(Valko) 0650 w/CARACOL IDs (Klein 5/21)

4762 BOLIVIA Radiodifusora Abaroa: 0432-0444 SP, folk mx w/M ancr between songs; 0436 chimes, then closing anmts, in part: "4760 kHz, onda corta, Radiodifusora Abaroa, desde Riberalta, Beni, Bolivia...al favor humano, buenas noches Bolivia" a bit of mx, then empty carrier (McVicar 6/2)

4762 PERU R Inca: 0418 SP OM ancr, mixture of pop, folk mx, many IDs/TCs(Lobdell 5/27)

4765 BRAZIL R Em Rural: 0248-0307 PT, ballads OM ID 0305, YV QRM (Moore 5/13)

4766v ECUADOR C.R.E. Guayaquil: 1028 SP, excellent sig w/no QRM, many IDs, and at 1100 their "Noticiero Avion" (Meyer-PERU 5/23) 1053 SP, ID "CRE"; Coca-Cola jingle; 1103 anthem, M ancr w/"Buenos dias Ecuador (Howard 5/19) 0403 w/full SP ID, calls, freqs, etc by M 0430*; not hrd till Brazilian s/off 0400 (Lobdell 6/10) 0400-0432½* w/ID: CRE, Radio Dif del Ecuador..." (Howard) 1035 w/"Informative CRE" news, flute mx, ID; thankx to Klein for tip (Krueger 5/23) M ancr w/"La Revista Deportiva...." program discussing Cuban basketball; also played a taped segment of a futbol match in which the announcer let loose w/longest "Geeeeaalll" ever on SW...even beat the Brazilians!(Pappas 6/5) *1026(Jones) 0935(Klein) "CRE Radio Difusora del Ecuador, 1050 y 4765 kHz, transmitiendo desde Guayaquil, Ecuador, Sudamerica" (McVicar) 0421 w/IDs and mx (Moore)

4774 JAVA RRI Jakarta: 1158 IN W ID as "Radio Indonesia Jakarta"; Jim Young's Indo survey states this freq not hrd daily (Poppin 5/8)

4777 GABON RTVG: 2355-0006* FR, lcl mx, s/off w/presumed NA (Alexander) 2215(Klein)

4780 VENEZUELA LV de Carabobo: 1025 SP, 2 M ancrs w/chimes and nx (Klein 5/23)

4780 HONDURAS R Juticalpa: 1055 SP, ranchera px, M ancr w/ID, TC (Klein 5/14) 1120 w/commercials, TC and ID, mx (Waite 5/11)

4785 BRAZIL R Ribamar: 0835 PT, M ancr, pop mx, sev IDs (Klein)

4785 COLOMBIA Ecos del Combeima: 0505 SP, LA mx, M ancr w/ID after each song(Klein) 0932 w/tlks and mx (Tannenwald)

4790 PERU R Atlantida: 1015 SP, hi-pitched Andean vocals w/flutes (Klein 5/21) 0415 "Radio Atlantida" ID followed by Male vocalist (Poppin 6/2) 1030 w/many IDs(Meyer) 0205 ID in midst of long tlk by M (Cunningham 6/5)

4795 BOLIVIA R Nueva America: 0408 SP w/ads such as "Aereolineas Argentina"; ID by M w/organ mx 0414* w/no anthem, not hrd till LV de los Caras s/off 0408(Lobdell)

4795 ECUADOR LV DE LOS CARAS: 0320-0340 SP, ID, TC 0328, mention of "Bahia de Caraquey" (Cunningham 6/2) 0235-0320, M ancr w/ID 0301; "en Bahia de Caraquez" (McVicar 6/1) past usual 0408* w/px of EG disco and pop tunes w/no anmts; still going at 0437 tune out (Lobdell 6/3) 0440 SP, pop LA mx (Klein) 0410-0445* SP, quick ID in brief s/off, ments of Caraquez (Novello 5/30) 0500* (Moore 5/13)

4795 BRAZIL Rdif de Aquidauna: 2354-0003 PT, with vocal mx, flute and guitar mx, sound effects and ID at 0000 w/freqs given (McVicar 5/30)

4797v BRAZIL R Tabajara: 0820 PT, heavy QRN but M ancr w/Id on ½ hr (Klein 5/13) 0011 w/QRM fm R Dif Aquidauna on 4795 (McVicar 6/2)

4800H CUBA: 0435-0445 SP, 8 x 600 reappearing here--not to be confused w/4800 LA outlets (Krueger 5/29)(Lara rptd here by Klein, Tannenwald, and Slomka)

4801a ECUADOR R Popular: 0650 SP, Andes style LA mx, M ancr w/ID, terrible ute(Klein)

4805 BRAZIL Rdif do Amazonas: 0930 PT, M ancr w/instr mx, ID (Klein)

4807 SAO TOME E PRINCIPE R Nacional: Light mx 2252, PT ID by M, choral anthem to 2302*, Fair sigs (Lobdell 6/9)

4810 GALAPAGOS IS (ECUADOR) LV de Galapagos: 0300 SP vocal by M; SP ID, more vocals, best hrd in yrs (Lobdell 6/10) 0326 (Moore) 0343-0403* w/"Love is Blue; Male ancr w/ID and prayer "...spirito santo...Amen." Off after anthem (Pappas 5/23) 0349 in light mx, anthem and off (McVicar) 0451 (Valko) 0406 final ID to NA at 0406 (Klein 5/9) 0403* LA pops, ID and long NA (Krueger 5/29)

4815 COLOMBIA R Guatapuri: 0417 w/rock mx, clarinet, accordion(Poppin 6/2) 0050 w/ ad for a bank, ID by OM in SP (McVicar) 0507 full SP ID (Klein) *0959 NA, ID, calls, freqs, pgm for farmers, animal sounds-dogs,cows..(Jones 6/8) 0520*(Jordan)

4815 UPPER VOLTA Ouagadougou: 0551-0601 FR, fast IS to 0555, ID and into mx; good sig but thunderstorm QRN (Valko 6/7)

4820 ECUADOR R Paz y Bien: 1018 SP tlk, ID 1025 (Valko 5/10)(Meyer&Klein *0920/1015)

4820 ANGOLA R Nac: 2340-0004* PT, 0002 R Nacional ID, and "Republica Popular de Angola" ID per May LN-7 as Luanda (Novello)

*4823 BOLIVIA R Grigota: 0022-0040 SP; many ancmts and ads,;ID 0024, mentions of Santa Cruz, Cochabamba and La Paz; addresses for agencies advertised in Santa Cruz given; fairly strong but bad HET on Mam 4825; seemed to leave the air 0040 as het then disappeared and Radio Mam in clear (McVicar 5/30)

4825 GUATEMALA R Mam: 0140 SP, VOA SP magazine item on Puerto Rico, then marimba mx (Moore 5/25) 0045 in Indian lang with marimba mx (Klein)

4825 BRAZIL R Educ Braganca: 0845 PT, M ancr with ID, splash fm Reloj (Klein 5/28)

4832 COSTA RICA R Reloj: 0630, 0235 and 1040 w/LA mx, IDs(Slomka,Gregory,Jordan)

*4835T COLOMBIA R Tamboral: 0506-0510 SP, M giving IDs and loud anmts; strong but under SABC on 6/2(McVicar)

4835 BRAZIL R Nac de Boa Vista: 0058-0102 PT, fair w/fast tlk, ID by M (Krueger) 0349-0405* w/vocals, M DJ with phone-in segments, complete ID, NA 0402(Cunningham)

4835 GUATEMALA R Tezulutlan: 0035 SP, marimba mx, M with ID (Klein 5/9) 0252(Valko)

4840 VENEZUELA R Valera: 0240-0300* NA at s/off(Moore) 0300(Klein) 0230 (Alexander)

4845 MOLUCCAS RRI Ambon: 0950 IN, EZ mx, soft ID on hour (Klein 6/3)

4845 BOLIVIA R Fides: 0044-0148 SP; many ancmts, ID 0104,"Transmite Radio Fides, La Paz, Bolivia " then 7 chimes; another ID 0139(McVicar 5/29)1007 hrd all day here in Lima (Meyer-dPERU)0130 SP, OM with ID 0200, ads(moore) 0116, ID (Valko)

4850 ECUADOR R Luz y Vida: 0335-0348 SP, Andean melodies, W ancr between songs; where is SRS lately???(McVicar 6/2) *0955-1016 SP, EZL mx, ID, ads, campo mx, also noted 0400 this date, E (Krueger 5/21) 1005 SP (Klein 5/23)

4850 CAMEROUN Yaounde: 0455 FR, M in FR, ID, IS and mx in EG to 0508 (Klein)

4855T MOZAMBIQUE RM: 0500 in FR w/African mx, drums, (Witte-CA)

4855 BRAZIL RC Para: 0850 PT, pops, TC, M ancr with "PA-RA" (Klein 5/27)

4860 PERU R Chinchaycocha: 0551-0603 w/ID"Radio Cheen-Cheye-ko-cha" fol by quick tempo mx w/flute (Poppin 5/27) 0745 SP, M ancr w/ID, TC, ancmts(Klein) 1436 hrd all day here, huayno mx with some greetings and short mx happenings(Meyer)

4860 VENEZUELA R Maracaibo: *0900 ID (Klein 5/19) 0020 w/SP vocals (Tannenwald)

4865T BRAZIL R Sociedade: 0045 PT, M ancr in PT, poss ID (Klein 5/9)

4870 ECUADOR R Rio Amazonas: *1030 NA, M ancr (Klein 5/23) 0100 SP, good sig with some QRM (Meyer-PERU 5/6) *1031 usual long NA, followed by tlk(Jones 6/8)

4875 BOLIVIA LA Cruz del Sur: 0010 SP, flute and guitar; M mentions La Paz and Bolivia then more Andean mx, G (McVicar 5/30)0920 SP, ID as "Radio La Cruz del Sur", Andean ounding mx (Klein 5/23) 0120-0200 w/classical mx pgm (Onken 5/29)

4875 IRIAN JAYA RRI Sorong: 1255-1304 IN, EG C&W, W w/RRI Sorong ID, SCI, 6 pips, 1300 into RRI relay "warta berita" (Sheedy 5/18) 1401* (Poppin 5/26)

4875 COLOMBIA LV Del Norte: 0916 SP, "LV del Norte de Cucuta" gave call as "HJ(V or B)K" and HJHF, 1040 kHz for MW (Cunningham 5/28) 0455* IDs, calls(Saylor) *0900 SP, mx to 0915, M ancr w/sign on anncmts, ID, NA(Klein) *0913 w/NA into "Amancer Campesina..." px w/M ancr (Lobdell)

4885 COLOMBIA Ondas del Meta: 0440-0505* w/NA, s/off anmts (Poppin,Waite,McVicar, Saylor,Klein)

4890 PAPUA NEW GUINEA NBC: 0840-1355 EG ID, wx rpt, ads for Sentry Smoke Alarms and ad on how to become an NBC Junior Sports Champ(Gregory,Klein,Saylor,Grenier, Johns,Moore)

4890 SENEGAL Dakar: 0557 FR, IS, NA, M&W in mx (Moon)

4895 PERU Radio Chanchamayo: 0501 SP, Andean melodies, a few ancmts by M, closing anmts 0521 w/Peruvian anthem 0524 to s/off (McVicar 6/3)

73ssssss DAN

log report section B

4900-6199

STEVEN WISEBLOOD

4900 VENEZUELA R. Juventud: 0425 U.S. pop mx, SP anmts & ID's (Concannon-5/20). 0958 mostly pop mx, many ID's, very strong signal w/no QRM (Meyer-PERU). It is 10kW -ScW

4907t VENEZUELA R. Carora: *0958-1030+ NA, possible ID by M, SP anmts, freq. & mention of YV, heard "muy buenos dias...", light pop mx, ads. Fair (Jordan 5/20).

4910 ECUADOR Emis Gran Colobia: 0432-0545 fast LA mx, SP nx by M (Moon, Klein, Moore 5/19

4915 BRAZIL R. Nac. Macapa: 2327 M in PT w/cmntry, ID @ 2330. F (Yajko 6/1). 0835 usual screaming DJ & PT pop mx. G (Klein 5/14).

4915 KENYA VoK: 0315-0354 M ancr in SH w/local mx, ID @ 0334 (Moore 5/22). .(Klein/

4920 ECUADOR R. Quito: 0230-0432 SP pop mx, several ID's, ads & nx (McClellan,Gliksman,/

4920 AUSTRALIA ABC-Brisbane: 1110 M in EG hosting "mx from yesteryear" pgm. G (Klein).

4925 BRAZIL UnID: 0835 two stations mixing very badly here. P/VP (Klein 5/15).

4925 COLOMBIA Em Meridiano 70: *0954 complete ID's & standard mx (Meyer-PERU).

4932 JAVA RRI Surakarta: 1340 gamelan mx, tlk by M in IN, "R. Indo. Surakarta" (Poppin).

4935 PERU R. Tropical: 0118 many complete ID's, criolla mx, Exc. w/little QRM (Meyer-PERU)

4935 COLOMBIA R. Villaviencio: 0302-0308 band march mx w/fanfare, ID @ 0305. VP (Moore).

4940 ECUADOR R. Nac: 0420* tlk in SP by M, Andean flute mx, SP nx, NA & s/off (Klein 5/9)

4940 VENEZUELA R. Yaracuy: *0952 ID, martial mx, ID, calls, freqs.. Vy. Good (Jones-MS 6/8

4945 COLOMBIA R. Colosal: 0517 LA mx, Excellent w/QRN (Witte). 1048 heard all day without any problem. Several ID's with a variety of LA mx (Meyer-PERU).

4950 SARAWAK RMS: 1145 EG world nx by M, pop mx (Grenier 6/3). 1225 EG light pop mx, anmt by M in CH, pips @ 1230, alternate tlk by M&W in CH. G (Oakley-CA). Welcome to LR-B, Marjorie, though this wasn't Xilinhaote as you reported. Sarawak has CH from 1200 to 1400. There is a station on 4952, though. However, this is beleived to be Mongolia. Unfortunately, Xilinhaote hasn't been heard here for a number of years -ScW (PERU/

4955 PERU R. Cultural Amauta: 1300 LA mx w/several huaynos, M ancr w/rapid SP tlk (Meyer/

4960 ECUADOR R. Federacion: 0152-0258*"Buenos Dias Amor" pgm, SP tlk (Lobdell, Moore 5/25

4965 BRAZIL R. Poti, Natal: PT tlk by M, ID, various sound effects (R McVicar 5/30,Yajko).

4965 COLOMBIA R. Sta. Fe: 0830-0932 criolla mx, TC's, ads & many ID's (Meyer-PERU, Klein).

4970 VENEZUELA R. Rumbos: 0442-0500* SP tlk, ID's, LA mx, vocal NA @ s/off (Saylor, Concannon 5/8). 0945 lite SP mx, tlk, ID @ 1000 (Gliksman 5/19).

4975 COLOMBIA Ondas del Orteguaza: *1015 ID, followed by an NA, hrd thru bad UTE QRM (Jones-MS 5/58), 1323 variety LA mx, many ID's & brief nxcast (Meyer-PERU 5/5).

4980 ECUADOR Ondas Azuayas: 0405-0502* LA pop mx, M in SP w/anmts & ID, frequencies for AM, SW & FM. Good level (Krueger, R McVicar, Klein).

4980 VENEZUELA Ecos del Torbes: 0300 LA mx w/EG ID on the hour (Slomka 5/12)

4985 BRAZIL R. Brasil Central: 0000-0635 ID, EZ listening mx, PT anmts & nx (5 reporters)

4990 NIGERIA Lagos: 2310 TC, EG "Programme Notes" to 2312* s/off (Yajko 5/29). 0453-0459 TC, mention of Lagos, into Afro Chanting (Waite 5/22).

4990 VENEZUELA R. Barquisimeto: 0100 "Musica popular", SP anmts & ID. F-G (Tannenwald).

4995 MONGOLIA RUB: 1233-1244 tlk by M in MG, brief mx, then alternate tlk by M&W in MG, slow backround mx & some high pitched mx. F-G (Poppin-CA 5/8).

4996 PERU R. Andina: 0104-0447 many SP ads, nx pgm 0200-0230, huayno mx, folk mx w/flutes & accordians, indian vocalists. Fair w/WWV QRM (Lobdell,Krueger,Poppin,McVicar,Meyer).

5010 PERU R. Eco, Iquitos: 0444-0500* ID by M, pop mx, TC's, NA & s/off @ 0500*. F-G on 6/2, G on 6/3 (R McVicar, Poppin-CA). 1048 variety mx and mucho tlk by M (Meyer-PERU).

5010 CAMEROUN R. Garoua: 0443-0446 chant-type vocals o/Colombia (Moore 5/19).

5015 BRAZIL R. Cult Cuiaba: 0840 PT pops, ID by M, PT anmts. Good w/het (Klein 5/17).

5020 SOLOMON ISLANDS 0750-1130* pop mx & island mx, R. Australia nx on the hour, C&W mx, some anmts in pidgin (Krueger, Clifford, Gliksman, DW Johnson, Klein, Moon). Good work

5025 PERU R. Quillabamba: 1420 probably the strongest signal of any Peruvian not in Lima. I beleive this is 5kW. Very few ID's though (Meyer-PERU 5/20).

5025 BRAZIL R. Borborema: 0820 PT pop mx, anmt by M & TC. Fair (Klein 5/14).

5030 VENEZUELA R. Continente: 0234-0453 LA pop mx, ID's & SP anmts (Concannon,McClellan, Klein). 0927 pop LA mx, SP nx & many TC's, Good w/no QRM (Meyer-PERU 5/23).

5035 COLOMBIA LV de Caqueta: 1018-1057 M in SP w/lcl nx & mx, many ID's (Krueger,Meyer).

5040 PERU R. Libertad de Junin: 0420-0604 pgm of popular Andean tunes, many on the electric guitar, TC's after 3 songs or so w/ID as well. Good (R McVicar 6/3). 1120 huayno mx, lcl nx & social happenings by M ancr in SP (Meyer-PERU).

5040 VENEZUELA R. Maturin: 0030-0330 lite mx, SP anmts & lottery ads, ID's(Tannenwald, Moore). *0950 NA, band mx, greetings to listeners, ID, calls, freqs. (Jones-MS 5/9).

5045 COOK ISLANDS RCI: 0645 "R. Cook Is. Calling", mx w/violins & guitars sounds orient-middle-eastern mixture. Some static but good otherwise (Witte-CA).

5045 BRAZIL R. Cultura do Para: 0010-0127 M in PT w/anmts, ID's (Tannenwald, Yajko).
5050 PERU R. Loreto-Iquitos: 0502 "Happy Birthday", M ancr sounding as if he were in the midst of a gala celebration. So apparently this station is celebrating an anniversary. Fast LA sounding mx, quick tempo. Fair until het @ 0509 (Poppin 6/2). tentatively the one here @ 0335-0345 w/LA pop mx, too much QRN to copy anmts (Moore 5/29).
5055 SWAZILAND TWR: 0330-0345* ID @ 0330, tlk in UnID lang, bell IS @ s/off (Saylor).
5055 COSTA RICA TIFC: 0203-0303* M ancr w/EG religious pgm (Molvey, Valko, Jordan). *1000 M ancr in SP w/religious talk, then ID, calls into local mx. Good (Klein-FL).
5057 ALBANIA R. Gjirokaster: 0350 M in AL, local Albanian mx, UTE QRM (Saylor 5/23).
5060 ECUADOR Sistema de Emisora Progreso: 0130 SP tlk, march mx, ID @ 0132 (Yajko 6/2).
5075 COLOMBIA R. Sutatenza: 0000-0350 SP nx, mx, ads, ID, stn promo. Good (Tannenwald,/
5095 COLOMBIA R. Sutatenza: 1002 local mx w/many ID's by M ancr (Meyer-PERU)....(Klein/
5265 CHINA PLA-I: 1245-1255 Usual long discussion by M&W in CH, //5240&5900 (Sheedy-CA).
5930 CZECHOSLOVAKIA R. Prague: 0330-0345 tlk by M in EG on Uranium deposits (Jordan 5/23)
5945 AUSTRIA "ORF": *0130-0155* ID as "Austria Calling", EG nx, cmntry, sports roundup, programme schedule. Very Good & //9770 also Good! (Fraser-MA, Cunningham, Valko).
5950 PERU R. Nueva Arequipa: 2232 SP nx summary w/many ID's. Good w/no QRM (Meyer-PERU)
5950 GUYANA GBS: 0215-0254* Classical mx pgm, ID by M, s/off anmts & NA (Onken 5/13).
5954 COSTA RICA R. Casino: 0410-0702* EZ listening mx, M ancr in EG w/ID, TC & anmts. NA @ s/off. Usual s/off time is 0500-0530, but on 6/3 'twas 0702*(Jordan,Klein,Moore)
5955 BRAZIL R. Gazeta: 0704-0735 brief devotional by M in PT, ID by W, PT pop mx & some Andean sounding vocals(!), tlk on Sao Paulo by M ancr (Klein 5/15, R McVicar 6/2).
5960 CANADA RCI: 2200-2212 "World at 6" w/detailed post-election coverage (Jordan 5/23). 2300-0000 EG comedy pgm "Round the Horne" (Fraser-MA). 0033-0050 SP nx, cmntry & tlk (McCants). 0300 EG discussion on the benefits of living in Canada (T. Smith 5/12).
5965 NIGERIA FRC: M in EG reading a newscast @ 0500, full ID. Poor (Saylor 5/28).
5965 BRAZIL R. Guaiba: 0905 M ancr w/ID, TC, anmts, EZ listening mx. Good (Klein 5/14).
5970 PERU R. El Sol: 0135-0500* LA pop mx, ads, ID's, promo's (Rankin-KS,Valko,Clifford). *1033-1055 suddenly ther from out of nowhere w/loud singing, s/on anmt by M w/ID, beautiful local mx, SP nx, TC's, ads. Good-Excellent (Krueger, Jones-MS, Klein).
5975 GREAT BRITAIN BBC: 0030-0115 EG "Radio Theatre" - "Birkenhead" shipwreck(Fraser-MA)
5980 SIERRA LEONE SLBS: 0558-0658 IS, ID, M in EG w/anmts, gospel pgm @ 0615 (Ewenstein).
5980 SOUTH AFRICA R. RSA: 0215-0235 "South African Panorama", EG nx (Valko, Lev 5/17).
5980 PERU R. Panamericana: 0136-0850 pop & disco mx, ads, ID's & jingles (6 reporters!)
5985 ARGENTINA R. Splendid: 2340-0000 "Informo Splendid" SP nx pgm, many ID's, chimes, Very Strong (Moore, Klein). 0924-0947 SP anmts, folk mx, ID, some ID's as "L-R-4, R. Splendid de Buenos Aires". Strong on 6/2 (R McVicar).
5995t PARAGUAY LV de Amambay: 0000 SP talk & mx to 0050* weak (Behr 5/27).
5995 AUSTRALIA RA: 0721-1432 "Waltzing Matilda" IS, ID, EG nx.(Ewenstein,Kissane,Johnson)
6000 CHINA PLA-II: 1255+ W tlking in Amoy, nice lcl string mx, //5770. hvy QRM (Sheedy-CA)
6000 BRAZIL R. Inconfidencia: 2330-0201 futebol game, pop Braz. mx, ads(Shaffer, Moore).
6005 CANADA CFCX-Montreal: 2142-2250 EG discussion on energy, wx, pop mx (McClellan, Reynolds). 0845-1115 "oldies" mx from the late 60's, EG nx & sports (Gregory,Clifford)
6005 WEST GERMANY RIAS-Berlin: 0402-0420 M ancr in GM w/ID, tlk in GM, lcl pop mx(Jordan)
6006 COSTA RICA R. Reloj: 0545 LA mx, many ads. heavy QRN. Good (Witte-CA).
6010 PERU R. America: 2220 pop mx, many ID's, I live about 5-miles from this one so the signal strength should be obvious! (Meyer-PERU 5/23).
6010 VENEZUELA R. 1040/ Los Andes: 1115-1130 soft-voiced M w/ID's, light LA pops, & instrumentals, long SP ad string, ID's & TC's (Sheedy 5/25).
6010 USSR (European RSFSR) RM-Moscow: *0430-0435 IS, ID, 2-M ancrs in RS w/nx (Jordan).
6015 BRAZIL R. Clube Pernambuco: 0810 2-M ancrs in PT w/tlk, ID, Braz. mx. G (Klein 5/14)
6015 COLOMBIA R. Mira: 0220-0230 ID, SP ads, variety LA mx. Good (Krueger 5/10). 0315-0335 LA pop mx, many ads, ID @ 0328. M ancr trills all his "r"s! (Rankin-KS 5/8).
6020 PERU R. Victoria-Lima: 0700-0701 Peruvian NA, good after AFRTS s/off @ 0700 on 6/3 (R McVicar). 1030-1047 M ancr in SP w/ID, TC, EZ listening LA mx (Klein, Jones-MS).
6025 MALAYSIA RM-Kuala Lampur: 1301 tlk by M&W in CH, Rooster crow & ID (Oakley-CA 5/28).
6025 PORTUGAL R.P.: *0500-0515 ID, 15-minute EG nx pgm, press review (Concannon,Saylor).
6030 PHILIPPINES FEBC: 1100-1110 M w/sermon in Tagalog, gospel vocals. Good (Krueger 5/21)
6030 JAPAN RJ: 0920 W ancr in presumed KR, traditional JP mx (Klein 5/17).
6034.4 BOLIVIA R. Panamericana: 0100 ads, ID, Bolivian mx. Good (Behr 5/23).
6035 BRAZIL R. Globo: 2322 PT sports cmntry, ID (Yajko 5/1). 0905 M ancr in PT w/possible nx, many sound effects. Fair-Good (Klein 5/13). 0000-0035 PT nx & ads, ID's (Moore).
6035 LIBERIA VOA-relay site nr Careystown: 0352-0640 EG cmntry, "African Safari", C&W mx, pop mx. Good (Concannon, Halsema).
6040 GREAT BRITAIN VOA-relay site @ Wooferton: 0358-0401 "Breakfast Show", nx (Halsema).
6040 EAST GERMANY RBI: 0104 M in SP w/ID, then tlk by W in SP (Valko 5/15).
6045 AUSTRALIA RA-Lyndhurst: 0855-1127 U.S. & Aussie pop mx, ID, EG nx (Klein, Yajko).
6045*** CANADA RCI: *0330-0502 EG Election coverage to NAm, //9535, 11845(Watson, Gregory).
6045 BRAZIL R. Clube Paranaense: 0108-0115 live futebol coverage. Good (Krueger).
6055 PERU R. Continental: 1955 SP lcl nx, many ID's, M ancr in SP. Good (Meyer-PERU).
6055 JAPAN NSB: 0805-0901 W ancr w/long tlk in JP, into lcl mx pgm, ads (Rankin-KS,Klein)

6060 AUSTRALIA RA: 1420-1510 ID, //5995, pgm similiar to lcl MW stns (Kissane 5/14).
6060 ARGENTINA R. Nacional: *0858 anthem, 6-pips @ 0900 ID, SP tlk & piano mx(Jones-MS).
6065 BRAZIL R. Nac. Brasilia: 2344 PT ads, ID, Brazilian vocals (Yajko 6/1).
6070 CANADA CFRX-Toronto: 2135-2155 Pop mx, M ancr in EG, car ads, "Second-City TV" review, wx & tourism promo (Jordan 5/23). 0655-0734 EG nx, sports & wx, EZ listening mx (Rankin-KS, Klein). 1120-1150 EG wx, C&W mx (Gregory 5/29).
6075 HONDURAS LV del Junco: cute little chimes @ 1200, M ancr in SP w/TC, ID, stn jingle, Fair w/some QRM (Klein 6/4).
6075 COLOMBIA R Sutatenza: 1114-1120 SP nx & ID. Not //5095. 5075 off. Xlnt (Krueger).
6080 AUSTRALIA RA-Melbourne: 1325-1331 Aussie wx & pop mx, ID, "Australia Tonight"(Sheedy)
6080*** CANADA CKFX-Vancouver: Yessirree,"Mighty Mouse of the North", as I Steven Wiseblood have dubbed this 10-watt powerhouse has been heard by no less than 7 reporters this month. The best time to here this one is between 0745-1000, and watch for those "Super Country" ID's, C&W mx & a 5-minute EG nx pgm at the top of each hour, the reporters who heard this stn include: (Sheedy, Moore, Klein-FL, R. McVicar, Saylor, C. Hoffman-PA, Valko-PA). Signal strength varies from Fair to Good -ScW
6085 BRAZIL R. Jor. do Comercio: *0900 M ancr in PT w/prayer, then another M in PT with /on anmts. Fair w/QRM (Klein 5/19).
6085 COLOMBIA Ondas del Darien: 0925 full ID, freqs., M ancr in SP w/ads. Good(Lobdell-MA)
6090 LUXEMBOURG RL: 0130 EG anmts, disco mx (Moon 5/21).
6090 AUSTRALIA ABC-Sidney: 1000 ID as "Radio-1", 2-M w/tlk in EG, ancient mx (DW Johnson)
6090.5 ARGENTINA R. Belgrano: 0110 pop mx, ID @ 0126, SP tlk. Fair (Behr 5/22).
6095 BRAZIL R. Difusao Sao Paulo: 0820-0855 Brazilian pop mx, M ancr w/tlk inbetween recordings. A few ads. Fair-Good (Klein-FL 6/3, R McVicar 6/2).
6095 POLAND Polskie R.: 0204-0209 EG pgm featuring Polish cultural happenings(Yajko,Valko)
6095 COLOMBIA LV del Centro: 0440-0450 M ancr in SP describing a sports event (Jordan 5/9
6095 BOLIVIA R. Stentor: 1000-1026 ID & TC in SP during wild Bolivian mx(Behr, Jones-MS)
6100 VENEZUELA YVTO: 0535 time pips & CW ID's (Concannon 5/8).
6104.8 COSTA RICA R. Universidad: 0300 SP tlk & orchestral mx to 0405*. Good, ex-6098 (Behr)
6105 NEW ZEALAND RNZ: 0956-1010 M ancr in EG w/"Big-Band" mx. Good (Jones-MS, DW Johnson)
6105 MEXICO Tus Panteras: 0049-0500* U.S. pop & disco mx, M ancr in SP w/many ID's, ads, ID's as "XEMQ-XEQM" & as "MQ-QM" (Jones-MS, C. Hoffman-PA, Jordan). 1115-1233 ID's, "Close Encounters" theme, Mexican pop mx. Good (Waite 5/13, Klein-FL 5/19).
6115 PERU R. Union: 1135-1150 ID, jingle, ads, nx items on Peru, TC's (Sheedy-CA 5/25).
6115 MEXICO R. univ. de Sonora: 1810 exciting pgm of Classical mx (Moon 5/20).
6115 COLOMBIA LV del Llano: 0510-0845 typical LA pops, ID's (Gliksman, Waite, Sheedy).
6120*** ARGENTINA R. El Mundo: 0526-0535 SP discussion, pgm notesM slogan & call letters, Broadcast times, into mx (Sheedy 5/12). 0921-0935 Pop LA mx, SP anmts, ID's, TC's, ocassional agricultural pricing information (R. McVicar, Klein-FL).
6129v COSTA RICA R. Noticias del Continente: 0205-0220 LA mx & SP ID's (Behr, Rankin-KS).
6130 ECUADOR HCJB: 0903 "DX Party Line", drowned out by "CHNS Newstime" (Klein-FL 5/17).
6130 CANADA CHNX-Halifax: 0510-0905 EG anmts, nx, lite pop mx, wx (Lev, Jordan, Clark-AZ)
6135 CHILE R. Universidad: 0110 SP nx, into orchestral mx. Good (Behr 5/22).
6135 TAHITI RT: 0425-0906* Polynesian mx, anmts in TT & FR. Good (6 reporters!)
6135 BRAZIL 0845-0856 many "Ga-oo-sha" ID's (Gaucha), ID's & Braz. mx (Klein-FL,Jones-MS)
6140 AUSTRALIA ABC-Wanneroo: 1020 M w/scratch rpt for the day's horseraces (DW Johnson).
6150 AUSTRALIA ABC-Melbourne: 0830 church svce w/many hymns //6090. P-F (Klein-FL 6/3).
6150 CHILE RN de Chile: 0430-0501* SP tlk & ID, Very good signals (Moon 5/28, Findlater-CA
6155 HAITI R. Citadelle: 0856-1004 M in FR w/anmts, ID's, FR pop mx, Classical mx, NA, signal very strong mixing w/R. Carve (R. McVicar 6/2, Klein-FL 5/17).
6155*** URUGUAY R. Carve: 0035 ID's, mx, SP tlk to 0118*, s/off time varies at 0100*, often good! (Behr 5/24).*0832-1018 2-M in SP w/many anmts, ads, ID's as "C-X-16, R. Carve desde Montevideo, Uruguay" (R. McVicar 6/2, Jones-MS 6/7).
6155 JAPAN FEN-Tokyo: 1105 ID, TC for Tokyo, Jazz, EZ listening & rock mx (Oakley-CA).
6160 COLOMBIA Em. Nueva Granada: 0315-0350 "Futbol" sportscaster in SP shouting (Jordan).
6160 CANADA CKZN-St. John's Nf: 0325-0413 Classical mx, Jazz, full ID @ s/off (Rankin-KS) *0826-845 "O Canada" at s/on, then Newfoundland anthem, opening anmts by Doug Lake w/freq., list of stns on the network. Marine wx, EG nx(McVicar,Klein,Saylor,Clark-AZ)
6160 CANADA CKZU-Vancouver BC: 0345-0805* Jazz & Classical mx, CBC nx in EG, operatic mx, Stn asked for letters for their SW xmsn (McVicar,Clark,Klein,Rankin,Mikell,DW Johnson)
6165 MEXICO La Voz de la America Latina-XEWW/XEW: 0622-0856 SP anmts, operatic mx w/piano, 2-M in SP tlking about the Pope's trip to Poland, w/ the Poland NA!(Munster,McVicar, Klein). 1245-1300 SP nx, ad for "El Papa en Mexico", a book about the Pope's visit to Mexico City!. Xlnt w/no QRM (Krueger 5/25).
6170 COLOMBIA LV de la Selva: 0200 SP sports pgm, ID & NA to 0302* (Behr 5/21). 1000 NA M ancr in SP with s/on info., Colombian mx. Very Good (Klein 6/4).
6175 PERU R. Tawantinsuyo: 1010 Pgm of lovely lcl mx, canned ID's. Fair-G w/QRN (Klein-FL)
6180 VENEZUELA R. Turismo: 1000-1100 ID's, ads, LA pop mx & TC's(Behr,Waite,Jones-MS,Kl'n)
6185 MEXICO R. Educacion: 0503-0657* Mexican lcl mx & Jazz mx, SP tlk (Moore,Witte,Klein)
6185.5 IRIAN JAYA RRI Menokwari: 1205-1440* s/off time varies, Qu'ran reading 1224-1359, then M&W in IN w/explinations of the text, discussion by 2-M in IN...(Sheedy-CA)

73's
steve

log report section C

MAY, 1979

6200-11699

TOM GAVARAS
16920 17th Ave. N., Wayzata, MN 55391 (612) 473-4515

NEW DISTRIBUTION EDITOR: ALL LOGGINGS FOR NASWA'S LOG REPORT SECTIONS SHOULD BE SENT TO OUR NEW DISTRIBUTION EDITOR: DAVE VALCO, BOX 155, DUNLO, PA 15930. HIS DEADLINE IS THE 12th OF THE MONTH.

* *

Back in February of 1976, I took on the challenge/roll as editor of Log Report C. As you might have read elsewhere, I have decided to take a break from my editing responsibilities at NASWA's headquarters earliest convenience. Log Report C has been a pleasure to edit and during the course of my involvement, I have had the opportunity to make many friends.

Starting this Fall, I will be heavily involved with an FM Radio Station and will be studying for my Senior year at college, so I decided that my full emphasis should be devoted to what might be my future.

Now that ANARC/79 is over and since I won't have to worry about those deadlines, maybe I will actually do some DX-ing again. Anyway, until Mac finds a replacement, I will probably do one more column or two. I hope that you will all continue to keep NASWA's quality on the high level it has enjoyed for years. Only your involvement and contributions can keep us number one.

It was great to see everyone who attended the ANARC 79/Minneapolis convention. Also, I would like to thank David Walcutt for a job very well done as Distribution Editor. On to the loggings.....

6420 BOOTLEG: USA KVHF; 0440-0800* English w/pop mx, oldies, Tommy Johnson announcer, power announced as 50,000 M.W., news, etc. (Concannon 5/19). 0820-0903* English music which varied from rock to Mexican, ID's. Strong (Clark 5/13). 0442 English ID as "KVHF North America." Hit music, etc. (Brookwell 6/3). 0412 Rock, Tommy Johnson announcer, stated that the station was an alternative in American SW Radio (Cozzum 5/19)

6955 CHINA R. Peking; 1103 IS, Lang ID, talk by Wan & Woman. UTE QRM (Valko 5/16).

7140 MONACO TWR; *0445 IS, ID into GM or DT religious pgm (mostly hymns) (Cunningham 6/2).

7160 SARAWAK R. Malaysia; 1535 English news and pop music (Grenier 5/28).

7179 TURKEY VOT; 2137 English DX News Program//9515 (Yajko 4/16).

7170 NEW CALEDONIA R. Noumea; 0630-0730 English ID w/EG & FR pop mx, etc. (Oakley 5/21, Saylor 6/4, Moore 5/22, Klein 5/17, Moon 6/5).

7175 SICILY RAI; *0500 Bell IS, Italian ID, talk and music (Krueger 5/13).

7190 YEMEN DYBS (Aden); *0300 NA, Arabic ID, Koran, Cmntry, etc. (Baker 5/10).

7215 IVORY COAST RTVI; 0620 French news, pop mx, Drums, ID (D.W.Johnson 5/15,Gliksman 5/12)

7230 USSR Yakutsk; 1130 Russian talk and classical music (Oakley 5/3).

7255 NIGERIA V. of Nigeria (Lagos); 0610 English news w/HAM QRM (Moon 5/29).

7260 GREAT BRITAIN RCI; 0310 Russian IS, pgm on machines//7285,9615 (Rankin 5/21).

7270 SOUTH AFRICA RSA; 0350 English w/Saturday Night RSA (Moon 5/27).

7300 ALBANIA R. Tirana; 0330 English talk on the working class people (Minor 4/30).

7318v CLANDESTINE R. Sandino; 0315-1305 Spanish with usual anti-Somoza speeches, march music, special effects with exploding bombs, machine gun fire. Heavily jammed! (Krueger 6/5 6/6, Behr 6/3, Pappas 6/7, C.Hoffman 6/3, MacCollum 6/5, Jones 6/2).

7340 NUMBER STATION; 0720 Spanish with woman slowly reading off numbers (Mulvey 5/21).

7345 CZECHOSLOVAKIA R. Prague; 0400 Spanish news program (Moon 5/27).

7425t BOOTLEG: USA WOOF (Presumed); 0504 to 0543* with lots of "P.D.Q. Bach" music and talk by Prof. Peter Schikili(?), the worlds leading expert on PDQ Bach. PDQ Bach music is classical music with a rather unusal twist (orchestra using bicycle pump instruments, bagpipes, etc.) There was also possibly some talk from the pirate station announcer. (WOOF is the call letters of the station used on PDQ Bach records. It is the station of the University of Southern North Dakota (or was it Northern South Dakota?), in Hoople. I didn't hear any ID's however, so must count this as tentative. Station left air at 0543 GMT. Good signal, but messed up by QRM. Please send QSL! (Richard McVicar, Box 1048, Prescott, Ont. K0E 1T0 5/5).

7516 CHINA CPBS; 1210 Chinese program with apparent play (Sheedy 5/26).

7587 CLANDESTINE R. Sandino; 1223* R. Sandino seems to have left this frequency, but on 6/11, the Somoza music jammer was on it instead, perhaps just to confuse DX-ers. Heard from 1130 tune in to off at 1223 with distorted audio, never any announcements. See also 7698 (Hauser). 0300-0438 Spanish talk of Samoza and Sandista revolution, march music, ID & cmntry. 1108-1114 Spanish news of Sandinistas and Nicaragua, apparently anti-American diatribe. Not seen reported earlier at this time; however,

CLANDESTINE SANDINO CONTINUED: I am not positive this could not be the Nicaragua government counter-Sandino station whcih has been operating on/near Sandino frequencies -- some reports for Sandino may actually be the government's (Nicaragua) station (Walcutt 6/9)

7600 ECUADOR HD2IOA; 0108 Spanish Time Ticks, Spanish announcements, etc. (Valko 5/9).

7698 CLANDESTINE: NICARAGUA; A pro-Somoza station, apparently intended to jam R. Sandino, heard here on 6/9 at 1106 with slightly stronger signals than Sandino; brief pro-Somoza statements mixed with music; lasted past 1300. Since Sandino was on 7702, this did not jam it, but one could easily pick which side to listen to (Hauser).

7702 CLANDESTINE R. Sandino; Tnx to Bob Foxworth, this is the latest R. Sandino frequency, noted 6/9 with good clear signal at 1100 going to open carrier and resuming programming around 1122. Very slick and professional sounding now, with almost relentless calls for general strike; and for all 'independent' radio stations in Nicaragua to join them (or else). Said something about staying on 24 hours, and faded out around 1300. Heard again to 1227* on 6/11 (Hauser).

8000 JAPAN JG2AE; Time pips with no announcements heard (Concannon 5/27).
8007 CHINA CPBS 2; 1235 Chinese with People's revolution opera (Sheedy 5/26).
8195 CHINA PLA; Amoy/CH talk with opera music. Good reception (Oakley 5/3).
9020 CHINA CPBS 2; 1235 Chinese opera //8007, 8320, 7770 (Sheedy 5/26).
9064 CHINA CPBS 1; 1210 Chinese program//6665, 7516, 11290, 11302, 6225, etc. (Sheedy 5/20)
9400 NUMBER STATION; 0613 Spanish with five digit groups (Munster 5/6).
9453 NUMBER STATION; 0630* Spanish with five digit groups (Munster 5/16).
9455 CHINA R. Peking; *1300 IS, talk in lang & ID (Jordan 5/12). Dieckmann)
9475 EGYPT R. Cairo; 0200-0320 English news, cmntry, reviews & mx (Moon,Witte,Klein,Oakley,
9500 ALBANIA R. Tirana; 0500 IS, French ID and news program (Munster 5/28).
9505 CZECHOSLOVAKIA R. Prague; 0624 French ID and popular FR music (Pappas 5/25).
9505 DOMINICAN REPUBLIC RTVD; 2305-0100 Spanish ID, nx & mx(Gregory,Oakley,Kelly,Shaffer,
9510 ANTIGUA BBC; 0200 English TC, ID & News (Valko 6/11). Gliksman,Alexander).
9515 GREECE VOG; *0000 IS, NA Green news (Klein 5/11). 0220 EG News (McClellan,Dieckmann).
9515 MALAYSIA R. Malaysia; 1520 Malay news and pop music (Witte).
9515 URUGUAY SODRE; *0000 Spanish pgm, 0110 English news. Often good (Behr 5/26).
9520 PAPUA NEW GUINEA NBC; 0700 English with many ads, Relig talk, ID (Moon, Witte).
9524v PERU R. La Cronica; 0200 ID, ads and Andean music with fair signal (Behr 5/23).
9525 KOREA (SOUTH) R. Korea; 1026 Spanish pgm (Valko). 1130 English news (Zilmer 5/22).
9530 SPAIN SFR; 0010 Spanish ID talk and Spanish music (Alexander 6/4).
9535 ANGOLA R. Nacional; 0800 French ID, news and cmntry (Klein 6/4).
9535 SWITZERLAND SRI; 0645 English music, ID, news and interview (Munster 6/4).
9540 CZECHOSLOVAKIA R. Prague; 0100 English talk on anniv. of CNEA (Lev, Davenport).
9545 SOLOMON ISLANDS SIBC; 0705 English/Pidgin ID, nx, rock mx, contest announcements, etc. (Mikell 5/17, Moon 5/20, Eastman 5/27, Klein 5/21, Witte 5/5).
9555 GREAT BRITAIN RCI; 1938 French news and Identification (Wilkinson 5/10).
9555 PHILIPPINES VOA (Tinang); 1140 Chinese pgm with English lang lessons (Buer 5/26).
9570 AUSTRALIA R. Australia (Shepparton); 1128 EG soft rock mx, interviews (Halsems,Earhart)
9570 ROMANIA R. Bucharest; 0130 English ID & nx (J.Williams). 0415 EG News//9690 (Moon).
9575 ITALY RAI; 0100 English news and commentaries (T.Smith 5/5).
9580 AUSTRALIA R. Australia (Shepparton);0110 EG World nx (Grenier). 1128 EG pgm (Halsema).
9580 KOREA (SOUTH) R. Korea; 1000 English news, cmntry & Korean mx (Zilmer,Saylor,Krueger).
9580 ZAMBIA R. Zambia; 0515 African songs, man talks, organ jazz, woman sings "Hello I Love you." Good (Witte 5/25). -Did you hear an ID? If not, then this report should be marked tentative. (tgg)-
9585 SOUTH AFRICA RSA; 2030 FR tlk & pop mx (Saylor). *2100 EG News, etc. (Gregory,Halsema)
9590 NETHERLAND ANTILLES R. Nederland; *0230 Happy Station w/Tom Meyer (Witte, Kissane).
9595 JAPAN NSB; 1530-1615 English Tokyo Forum, American rock mx, etc. (Moon, Clifford).
9600 CUBA R. Moscow Relay; 0030-0400 ID, News, Sports, etc. (Brookwell,Jordan,Gramarossa, Minor). 1030 English news and week in music program (Zilmer).
9609v MONACO TWR; *0630 English Relig Prg, Back to Bible. (D.W.Johnson,Gliksman,Munster).
9610 AUSTRALIA ABC (Perth); 0925-1509 Country, rock & Disco mx, Horse Race, nx. (Witte 5/25, Shaffer 5/18, Gicker 5/20, Earhart 5/29, D.W.Johnson 6/2). Sheedy).
9610 SOUTH AFRICA RSA; *0200-0250* English news w/talk on witch doctors (Gregory,Grenier,
9610 ALGERIA RTA; 0250 Arabic talk and news headlines, Arabic music//11810 (Walcutt,Poppin)
9615v COSTA RICA TIRL R. Noticia; (Drifts heavily, noted also on: 9610, 9622, 9617, 9661, 9671, 9690 kHz, etc). Spanish ID, LA music, slogan "LA de America Latina en las bandas de 31 y 49 metros." Address as "Apt 172, Paba, San Jose, Republica de Costa Rica. (Lobdell,Behr,Buer,Eastman,Walcutt,Poppin,Behr,Rankin).
9620 GERMANY (EAST) RBI; 0230 Spanish ID and usual programming (Valko 6/9).
9625 CANADA CBC NS; 0030 English Country Road program (NO NAME).
9630 SPAIN SFR; 0131 English talk on Church mx (Kissane). 0204 SP Cultura Panorama(Halsema)
9633.7 COLOMBIA R. Nacional; 0202 Spanish talk and local music (Sheedy 5/17).
9645 NORWAY R. Norway; 0409 English news of Norway (Gicker 5/21).
9650 GUINEA R. Nacional; 2305 French ID and Africam music (Moore 5/17).
9655 USSR R. Pacific Ocean; *0500 Russian w/ID faintly heard (Brookwell).
9665 GREECE VOG; 0201 Greek nx into English pgm//9515 kHz (Kissane).

9600 VENEZUELA R. Rumbos; 0046 Spanish ID & LA music (Shaffer 6/8). 2340 Spanish ID and many ID's (Witte 5/5).
9665 MALAYSIA R. Malaysia; 1118-1130* English music and ID (Buer 6/4).
9675 PERU R. del Pacifico; 0300 Spanish ads, hyms & relig pgm (Behr 5/20).
9680 AUSTRALIA ABC (Melbourne); 0800-0905 English local news (C.Hoffman,Klein,Krueger).
9685 ALGERIA RTA; 0655 Arabic/French talk w/local drum mx (Jordan 5/27).
9690 ARGENTINA RAE; 0122-0220 Spanish ID & mx (Gicker,Moon). *0300 English feature on Argentine Antartic (Jordan, Moore).
9695 BRAZIL R. Rio Mar; 2354 Portugese news, ID, ads & local pop (Krueger 5/10).
9695 SWEDEN R. Sweden; 0157 ID's in various langs into pgm (Concannon 4/29).
9705 ALGERIA RTA; 0600 Arabic ID, news & local mx //11810 (Pappas 5/25).
9705.5 ARGENTINA R. El Mundo; 0030 Spanish sports past 0200; strong (Behr 5/17).
9710 USSR R. Moscow World Svc; 1500 English World News (Hensley 5/24).
9715 USA WYFR; 0200 English UPI News, Bible Study Program, etc. (McCants, Concannon).
9715 NETHERLAND ANTILLES R. Nederland; 0530 EG DX Juke Box (Mulvey 6/1). 0750 EG expecting to hear DX Juke Box including my report, instead nothing but light music with no explanation of substitution. But Apparently, the feed from Hilversum had been lost. Evidently they no longer have HF backup for the Columbus Cable, which is used to Bonair despite a recent 5/13 denial by Ian McFarland on DX Digest. At the start of the 0830 transmission, more music (Hauser).
9720 IRAN R. Iran; 2300 Farsi talk and music to 0230//15084 (both good) (Behr 5/5).
9720 KOREA (SOUTH) R. Korea; *1600 English news, sports, cmntry (McClellan,Hensley,Kissane)
9730 GERMANY (EAST) RBI; 0105 English news on Vietnam (Moon, T. Smith). 0230 EG News & cmntry (Concannon). 0125 Finally got to hear one of UN Radio's anti-apartheid programs thanks to RBI which ran it GMT Tuesday 5/15 0125-0134. I did not hear any DX program on this local Monday transmission, as reported elsewhere not to be weekly. At 0141 RBI announced new 25m//11970 (ex11805), but it was useless due to Cuba and jamming (Hauser).
9745 CAMEROON R. Yaounde; 2130 French/English talk and local music (Modre 6/2).
9745 ECUADOR HCJB; 0157 English Song Time Weekend//11915 (Fisher 5/21).
9745 IRAQ R. Baghdad; 2130 English ID, news & cmntry (Moore 6/2).
9750 ALBANIA R. Tirana; 0245 English with Political cmntry (Dieckmann 5/9).
9750 CHILE R. Mineria; 1032 Spanish newscast, ID & ads (Krueger 6/5).
9750 VENEZUELA R. Occidente; 2145 Spanish ID, pop music (Krueger 5/13).
9760 GREAT BRITAIN VOA; 2132 English talk about Triple Crown (Valko 6/9).
9770 AUSTRIA ORF; 0130 English news & Report from Austria (Clark,Dieckmann,Davenport).
9780 KAZAKHSTAN SSR R. Alma Ata; *2358 IS, Bells, Chimes, NA, etc. Kazakh (Klein,Jordan).
9780 YEMEN ARAB REP. R. San'a; *0255 Arabic w/Bird Chirping, Antham & Koran (Buer 6/5).
9800 USSR R. Kiev; 0005 Russian news (Jordan 5/20). 0310 English mailbag (Buer, Moon).
9805 EGYPT R. Cairo; 2105 French news program w/cmntry & local vocal mx (Jordan 5/26).
9835 HUNGARY R. Budapest; 0200 English World nx & cmntry on Salt (Baker,Schmidt). 0300 English news on resorts in Hungary (Minor,Buer,Noonan,Munster). 0400 EG DX pgm(Hartsell)
9870 KOREA (SOUTH) R. Korea; 1605 English nx & music of Korea (Grenier 5/26).
9900 CHINA R. Peking; 1510 lang ID & music program (Kissane 5/12).
10040 VIETNAM VOV (Hanoi); 1535 English ID & talk on China (Kissane 5/12).
10060 VIETNAM VOV (Hanoi); 1215 VT cmntry (Jordan). 1500 VT tlk & music (Witte 5/6).
11525 KOREA (SOUTH) R. Korea; 2000 English, 2030 French to Africa (Behr 5/30).
11600 CLANDESTINE: CHINA VOIK; *1200 NA, Cambodian ID, cmntry, chorus (Novello,Jordan).
11620 ISRAEL IBA; 0500 English news, Report on French strikers (Minor 5/6).
11655 ISRAEL IBA; 0500 EG News about Israel & Mid East (Moon,D.W.Johnson). 2000 EG News Forum (Dieckmann). 2230 Thank Goodness it's Friday pgm (Fraser, Gregory).
11660 CLANDESTINE: CHINA VOIK; *1200 music & talk. Very week//11600 (Behr 5/30).
11665nf KOREA (SOUTH) R. Korea; 1400 EG, 1430 CH to 1500* to S.E. Asia (Behr 5/22).
11690 KUWAIT R. Kuwait; 2025-2100* EG pgm of 40's Jazz, anthem, etc. (Novello 6/6).

73, Tom

FOR SALE: Hammarlund HQ-180A. Excellent late model, very clean. $250 less shipping. Michael J. Youndt, Box 264, RD #1, Denver, PA 17517 or call (215) 445-5291. No collect calls, Please.

log report section D

11700 TO 17699

BOB BROWN

Remember the new Distribution Editor is Dave Valko. Please send all reports to him. I will print the ones that come to me direct, but you will not be included in the credits page if you send all of your reports to the individual editors.

* *

11700 USSR RHC-relay;*2100 FR pgm into EG at 2200 (Behr 5/17)
11705 SWEDEN RS; 2300-0240 EG, ID, IS, freq scd, Nx, Cmntry (4-Reporters)
11710 ARGENTINA RAE; 2311-2320EG, ID, Folk mx,Argentine trade px (Gregory)
11710 NEW CALEDONIA R Noumea; 0615 FR, Country mx- Johnny Cash (Moon 5/20)
11715 SWITZERLAND SRI; *0145-0500 EG, Usual Programs (5-Reporters)
11720 CANADA CBC; 1830-1840 ? Cree svc, Mx, Nx, Sports (Gregory 5/28)
11720 USSR RMWS; 0120 EG, DX Pgm, Russian Rock Mx (Moon 5/27, Gregory 5/26
11725 CUBA RHC; 0400-0410 EG ID, Mx pgm, freq scd (Gregory 5/31)
11725 S KOREA RK; 1000-1030 EG to NAm, ID, Mx, freq scd, (Buer, Zilmer)
11725t USSR RM-Vologda; 1230-1300 RS, IS, Tk by YL & OM, under RJ (Jordan-Pa
11730 GREECE VOG; 0200 & 0224 EG Nx abt the Common Market. (Moon, McClellan
11730 GUAM KTWR; EG, Rel Mx, QRN, QRM-both sides. (Oakley 5/5) 1450-1500*
11735 BULGARIA R Sofia; 2130 EG, IS, freq scd, News (Moon 6/3)
11735 USSR RMWS; *2300-2310 EG Nx, Cmntry, Mx (Gregory 5/22); 0315 EG, "Kiev Mailbag", UKrainian Mx, poor modulation (Witte 5/5)
11740 ALGERIA RTA; 0424 AR, Mx, Talk, fade-out at 0442 (Gliksman 6/1)
11740 AUSTRALIA RA; 0754-0821 EG Nx, Mx, "International Rpt" (Watson 6/8)
11745 TAIWAN VOFC; 1400-1500 JP, Nx, Mx, "Lets Learn Chinese" (Hartsell) *0900 CH, IS, ID, into tk by M & W (Klein 5/20)
11750 SINGAPORE BBC; 1035-1045 EG pgm, "Matthew on Music" (Buer 5/26)
11760 CYPRUS BBC; 0900 EG Newsof The World (Klein 6/4)
11780 BRAZIL R Bras; 2200-0115 PT, Tk & Vocal/Guitar Mx. (4-Reporters)
11790 INDONESIA VOI; 1400-1500 EG, WNx, Vocal & Inst. Mx, (7-Reporters); 1230 JP, Mx & tk by OM, QRN, Het, (Oakley 5/21); *1640-1659* AR, Mx, EG ID & Address at s/off. (Clifford 5/28)
11792 COLOMBIA R Nac; 1030 EG - SP Lang lesson, //15334 (Zilmer 5/25); 1230-1245 SP, ID, Nx, freq scd, (Jordan-Pa 5/22)
11800 AUSTRALIA RA; 1845-1930 EG to Europe, NX, Mx, ID, (Kissane 5/25)
11800 ITALY RAI; 0100-0120 EG News pgm to NAm (Moon, Lev, Williams)
11800 S KOREA KBS; 0730 EG Nx, Editorial. (Witte 5/7) (ed- scd at 11810)
11805 E GERMANY RBI; EG Nx , Cmntry, GDR "Report" //9730 (Fraser, Oakley)
11810 ALGERIA RTVA; 2202,2301,0311,0525 AR Tk, Mx, ID's, Koran reading, QRM, Badly distorted audio. (Behr, Brookwell, Pappas)
11810 ANTIGUA DW-relay; *1258 GM, IS, EG ID, V-good (Mulvey 5/31)
11810 ITALY RAI; 0100-0110 EG news, (Dieckman 5/30)
11814.3 MOZAMBIQUE RM; 1230 PT Mx & tk. down from 11819 (Behr 5/12)
11815 JAPAN RJ; *1200 EG s/on into news from Asia (Yajko 5/26)
11815 POLAND PR; 0200-0230 EG news & music to NAm. (6-Reporters)
11820 ASCENSION ISL BBC; *2145 EG ID into pgm for SAm. (Gregory 5/28)
11825 SOCIETY ISL R Tahiti; 0541 & 0605 TT/FR,Music (Concannon, Gliksman)
11835 ECUADOR HCJB; *0830 RS svc w/ rel pgmm QRMing KTWR-11940 (Klein 6/4)
11835 HAITI 4VEH; 1100 EG Rel pgm. (Zilmer 5/30); 1200-1300 EG Nx into Rel pgm. (Gregory 5/25); 2300 EG Rel pgm (Moon 6/2)
11835 SRI LANKA SLBC; 1100-1130 EG, "Window of the World" to SeA (Zilmer)
11845 CANADA RCI; 2330 & 0400 EG, Election coverage, (3-Reporters)
11845 VATICAN VR; 0100 EG, Pgm on the Pope's trip to Poland. (Moon 5/20)
11850 W GERMANY DW; 0930-1030 EG, "Panorama", freq scd, to EAs (Zilmer)
11855 SEYCHELLES FEBA; 1600 EG, ID, Rel Mx, QRN, QRM-both sides (Oakley)
11860 NORWAY RN; 1155-1236* NO, Pop & Folk Mx,Talk (Baker 5/10); 0010 EG, "People & Places" (Gramarossa 5/20); 0400-0430 EG pgm (Hartsell 5/7)
11870 NORWAY RN; 0215 EG, "Norway This Week" (Moon 6/14)
11870 AUSTRALIA RA; 1500 EG news, (Schmidt 5/13), (ed- scheduled as 11865)
11880 AUSTRALIA RA; 1128-1300 EG news, ID, Mx, "Mailbag" (5-Reporters)
11880 SPAIN SFR; 0030-0200 EG, Usual pgms to NAm (7-Reporters); 2151-2204 SP tk, Choral Mx, Rock/folk Mx w/ DJ, (McCants 5/9)
11890 CHILE VOC; *0200-0212 EG, ID, Nx, SP songs by group (Hoffman 5/6)
11890 E GERMANY RBI; 0330 EG, "National Youth Festival" (Moon 6/3)

11890 ROMANIA R Bucharest; 0155 EG pgm abt Tourism, (Byron 5/13)ed- not scd
11890 USSR RMWS; 1920 Lang, Barely audible IS at 1930. Be wary of this when looking for Oman or Afghanistan. (Saylor 5/29)
11895 NORWAY RN; 0300-0430 NO, To SAm & Pac. EG ID at s/off (Findlater 6/1)
11900 S AFRICA RSA; *2100 EG to WAf & Eur. Usual pgms (Gregory, Williams)
11900 USA U.N. Radio; 2012-2029 EG, "Namibia" Debate (Dieckmann 5/30)
11910 HUNGARY R Budapest; 0400 EG, "DX"pgm, new freq scd, QRM-BBC (Witte)
11910 UK BBCWS; 0408-0430 EG, ID, "Newsdesk", QRM-HCJB (Fisher 5/27)
11915 ECUADOR HCJB; 0535-0600 EG, Usual pgms, //11915,9745,6095 (Fisher) 0230 EG "Tunes for the Times" (Barlow 5/25)
11920 IVORY COAST RIC' 2145-2217 FR local Mx & Nx pgm. (Davenport 5/8); 0735-0800 FR, Dj w/ mixture of Pop Mx, 5 min. newscast (Jordan-Pa 5/26
11920 USSR RM-Baku; 0020 & 0045 SP, IS, Cmntry (Moon 6/2, Klein 5/30)
11925 NETH ANTILLES TWR; *0055-0130 EG, ID, IS, Rel Mx (Concannon, Dishman)
11930 CUBA RHC; 2347-0001 SP RM-relay (Valko 6/8); 0207-0244 EG Nx, Mx, sports, cmntry, (Fisher 5/21); 0400-0430 SP, Interview (Mikell 5/31)
11930 LIBERIA ELWA; 0715-0727* AR, ID, Mx, Speech by M, (Jordan-Pa 5/26)
11935 PORTUGAL RP; 0300 EG, Pop Mx, tk on Socialism by L, (Witte 5/23); 0505-0534 EG, "Weekely Press Review", QRM-HCJB, good modulation, Fisher 5/27); 0513 EG, "Report from Portugal", QRM-jammer (Pappas)
11940 JAPAN RJ; *0957 CH, ID, IS, Tk to SEAs (Klein 5/15)
11945 CANADA RCI; *2130 EG, Af svc. w/ tk abt recent election. (Gregory)
11945 NEW ZEALAND RNZ; 0830-1100 EG, ID, Plays, Stories, (4-Reporters)
11945a CHINA R Peking; 1245-1255* EG, Book Report, //15270 (Jordan-Pa 5/10)
11950 CAMBODIA R Phnom Penh; 2205 VT, OM/YL tk, QRM-both sides (Oakley)
11950t USSR R Alma Ata; 1300-1330 RS, ID, Oriental Mx, talk, (Jordan-Pa)
11955 ANGOLA R Nac; 0447 AR, B-pgm, Koran reading, Oriental Mx, (Brookwell)
11955 SINGAPORE BBC; 1100-1105 JP, ID, News, V-good, (Buer 5/26)
11955 TURKEY VOT; 2139-2157 EG, Nx, "DX Corner", (Klein, Moon, Diekmann) *0355 TK, National Anthem, vocal Mx, talk, (Johnson 5/18)
11960 ECUADOR HCJB; 0000 SP, ID, EZ Mx, CW-QRM,(Valko 6/9)
11960 MALI RN du Mali; 0805 FR, African Music (Moon 6/3)
11965 BRAZIL R Panamericana; 0315 SP, LaAm Mx, Talk by M (Witte 5/23)
11970 CUBA RHC; 0540 SP, African cmntry (M0On 6/2)
11980 USSR RMWS; 2130 EG, Mx, Nx, good some fading (Barlow 5/28)
12000 AUSTRALIA VNG; 2100, 0500, 0600 Time Station, (3-Reporters)
12000 USSR RMWS; 1203-1240 RS, Full IDs w/ Orch. Various mx pgms (Jordan-Pa 2136-2146 EG, DX pgm, Class Mx pgm, (Valko 5/12)
12010 USSR RMWS; 1425 EG tk on foreign students in Bulgarian scls.(Grenier)
12020 USSR RMWS; 0635-0703 RS, Classical Mx, including "Song of the Homeland", source of RM's foreign svc IS. (Rankin 5/10)
12035 VIETNAM VOV; 1008-1030 EG, ID, Nx of Kampuchia & China (Waite 5/23)
12050 EGYPT R Cairo; 0250-0259 EG pgms on Art & Sports (Barlow, Diekmann)
12090nf S KOREA RK; 1400 EG, ID, Nx, //9870 RS pgm at 1430-jammed (3-Rep)
12090 USSR RMWS; 2042 EG, Cmntry on Displays in Moscow. (Valko 5/15)
15008 VIETNAM VOV; 2030-2130 EG news, tk by OW, ID, Mx, (Alexander, M;on)
15038 SAUDI ARABIA BSKSA; 1548-1815 AR, chanting, male chorus, QRM & week (Novello, Valko); Buer sent this in as unid.(I hope this helps-ed.)
15045 GRENADA RFG; *2115-2145* EG, "Cricket" match, commercials, Birthday-Greetings, speech, Tk on "Health", Pop Mx, (10- Reporters)
15084 IRAN VOI; 0008-0230 Persian off key chants, some tk between numbers squeeky string Mx, (Brookwell 5/4, Earhart a/14)
15105 GRENADA RFG; 2003 EG, ID, Mx, Island announcements (Valko 5/25)
15115 ECUADOR HCJB; 1500-1515 EG, "Morning Meditations" (Hoffman 5/13)
15120 SRI LANKA SLBC; 1800-1810 EG ID, news (Gregory 5/22)
15125 USA WTFR; 2311-2330 SP, Mx "La Hora De La Reforma" pgm (McCants 6/5)
15125 SWITZER;AND SRI; *1815 EG to Af w/ "Dateline" pgm (Gregory 5/22)
15125 TAIWAN VOFC; 1102 Lang, Tk probably Nx, good (Valko 5/18)
15125nf USA WYFR; 0450-0500 SP, Slow EG into SP, not on my scd. (Earhart)
15135nf ROMANIA R Bucharest; 2158 s/off reported last month by Bob Underdown was actually Bulgaria. He realized his errer & made the correction but sent in the incorrect logging.
15135 USSR RMWS; 1400-1425 EG, ID, Pgm preview, Nx, Interviews, (Jordan-Pa)
15135 TURKEY VOT; 1603-1610 Tk,songs by men w/ string accomp. (Earhart)
15140 CHILE VOC; 0000-0030 EG, ID, Nx, Mx, cmntry on Chile (3-Reporters)
15150 USA VOA; 1748 LANG; IS, Tk by M & W, QRM-RMoscow (Valko 6/9)
15155 S AFRICA RSA; *2100 EG IS, ID, Nx, //17780,11900,9585 (Alexander)
15165 DENMARK RD; 1625 DN, News by W, very poor-usually better. (Witte 5/7)
15165 ECUADOR HCJB; 0820 EG, "DX Partyline", excellent (Mulvey 5/28)
15170 SOCIETY ISL R Tahiti; 0549-0603 FR, Tk by M, local Mx (Concannon 5/10

15175 NORWAY RN; 1820-1830* NO, Pop Mx, Tk by M, EG ID, (Kissane 5/16); 2200-2215 EG, ID, Nx, Tk on oil. (Findlater, 6/3, Moon 6.3)
15180 UK BBC; 1347-1424 AR, Talks & music. Halsema 5/23, Slomka 5/15)
15185 USA WINB; 2120-2130 EG Rel pgm, SSB-QRM (McCants 5/9)
15190 BELGIUM ORU; 2237 DT/EG, IS, s/on, LA-Mx, Cmntry, (Johnson 5/13); 0023-0040 EG, To SAm, //11715 to NAm, "Look at Environment" (Lev 5/17)
15195 CANADA RCI; 0105-0110 EG, Tk abt gas prob. This freq not mentioned during fres scd. (Concannon 5/7)(ed- 15190 is scd but not in EG.)
15195 TURKMEN SSR RM; 0105 SP, Nx by M & W, //15210 (Klein 5/30)
15200 AUSTRIA ORF; 2155-2235 GM, IS, ID, Press review, Pop Mx, into SP "Mailbag" pgm at 2230, (not scd) (Munster 6/2, Witte 6/3)
15200 INDONESIA RRI; 1440-1459* EG, "All about Indonesia" pgm, Folk Mx, Nx, (Goldman 5/28); 1516-1530 IN, Tk, Mx, EG ID, (Clifford 5/13)
15205 INDIA AIR; 1010-1017 EG, Mx, Cmntry, Pgm scd, To Aust. (Buer 5/26)
15210 CONGO RTC; 1240 FR, Brief Mx, Tk by OM, QRN, QRM-DW (Oakley 5/16); 1920 FR, I hrd this days in 1978 on 15190 before I started QSLing, has anyone QSLed it ? (Witte 5/9)
15215 CAMEROON R Nac; 0550 FR, ID, Jazz Piano, French Ballad (Witte 5/24)
15220 HUNGARY R Budapest; 2100 EG, ID, QRM- R Neth. (Noonan 5/17)
15220 S AFRICA RSA; *0556-0630 EG, ID, "Good Morning Africa", Looking into Africa", fair, //21535,17780,15220 (Watson 6/9, ?????)
15226nf CHILE VOC; 0130-0140 EG, Mx & Editorials, freq measured, (Buer 5/27)
15230 CUBA RHC; 0445 SP, Mellow Mx, Announcements, (Mulvey 5/28)
15250 PHILIPPINES UNR; *1000-1010 EG news, ID, JP Nx, Sats only (Buer 5/26)
15250 USA VOA; 2200 EG, Bethany & Dixon on at same time, makes echo(Zilmer)
15260 ASCENSION ISL BBC; 2100-2115 EG, "World Radio Club" (Gregory 5/22)
15260 AUSTRALIA RA; *0300 EG, "Calling Antarctica", Letters, Mx, (Clark)
15260 CANADA RCI; *1800-1830* EG, African svc, (Johns 6/4, Fisher 5/28)
15260 UK BBC; 2302 EG, News, Cmntry, "Letterbox" (Gicker 5/19)
15265 FINLAND FIR; 2330-0000 EG, "Northern REport" Voices of FInland" (3-R)
15270 UK BBC; *0030 Bengali, (Credited to Underdown Last month, it should have been credited to Pickard, sorry-ed.)
15270 USA VOA; 1736-1750 RS, News & Cmntry (McCants 5/11)
15275 W GERMANY DW; 0930-1030 EG, "Panorama", Nx, Cmntry (Zilmer 5/29)
15275nf SWEDEN RS; 0230-0258* EG, ID, IS, Press review, Interview, Guitar Mx, Replaces 15290 to avoid R Bras, //11705 (4-REporters)
15280 SINGAPORE BBC; 0945-0950 EG, ID, "Science in Action" (Buer 5/26)
15285 S AFRICA SABC; 0630-0640 EG, ID, into news in Lang. (Jordan-Pa 5/18)
15290nf BRAZIL R Bras; *0155-0302* EG, Brazilian Mx & cmntry, new to NAm ex-15280 to avoid KGEI, now QRM'd by R Sweden, (14-Reporters)
15295 ECUADOR HCJB; 2130 EG, "DX Party line" to Europe, (Harrington 5/19)
15295 MALAYSIA RTVM; 0830-0855 EG, ID, WNx, Cmntry, (3-Reporters); 0910-0930 Bahasa-Malayaia, ID, Mx, Nx, (Buer 5/26)
15305 SWITZERLAND SRI; 0145-0215 & 0645 EG, ID, IS, usualpgms, (7-Reporters
15305 USSR RMWS; 1240-1300 EG, "Just For Fun" Mx & Jokes, (Jordan-Pa 5/21)
15310 BULGARIA R Sofia; 0215-0230 SP, ID, Mx, Tk, Hvy-QRM (Goldman 5/8)
15310 JAPAN NHK; 1300-1315 EG, ID, Nx, Cmntry, Better than 9505 (Williams); 1400-1415 EG ID, ID, Nx, Economic rpt. Bad Het, QRM, (Gregory 6/2); 1500-1515 EG, Nx & Cmntry, (Dieckman 5/28)
15320 AUSTRALIA RA; 0443, 0630, 0825 EG, "Jazz Australia", "Sports Mag.", "International Rpt", "Week in Science" (7-Reporters)
15325 CANADA CBC; 2145-2200 EG, "AS It Happens" (McCants 5/11)
15330 USA AFRTS; 2040, 2253, 0501 EG, Usual pgms, Hvy QRN, (Halsema, Fisher
15335 INDIA AIR; 1335-1350 EG ID, Nx, Cmntry, Indian Mx, (Gregory 6/2)
15345 KUWAIT RK; 1845-2045+ EG, Nx, Cmntry, Disco Mx, (3-Reporters)
15345 NEW ZEALAND RNZ; 0500-9555 EG, Nx, Wx, "Roundabout"pgm, (3-Reporters)
15365 ROMANIA R Bucharest; IS, s/ off to Africa (Valko 6/9)
15385 ITALY RAI; 0317-0325 SP, Cmntry by OM, Vocals, (?????? 5/31)
15400 FINLAND FIR; 1408, 1430 EG, "Mailbag", "Nordic Notebook", //17785, 15265, to NAm, (Gregory 5/24), (Noonan 5/13)
15400 ITALY RAI; 0330 IT, Organ Mx ID, Bird chirps, Tk by Man (Witte 5/26)
15400 UK BBC; 2055-2114 PT, Mx, TK, EG lesson (Halsema 5/18); 0830 EG, Pgm anncts. Id, "World of Ballet" good (Mulvey 5/28)
15400 USA VOA; 2030, 0124 SP/PT, Rock Mx, News (Halsema 5/13-18)
15405 SEYCHELLES FEBA; 0300-0320 FS, ID, Rel Tk & Mx, (3-Reporters)
15410 USA UNR; 2113-2200 EG, Tk on S Africa, (Schmidt 5/25, Dieckman 5/24)
15420 CYPRUS BBC; 0300 EG, IS, World Nx to USSR (Noonan 5/19)
15420 JAPAN NHK; 1830-1900 EG, ID, NX, "Japan Today", (Kissane 5/16)
15425 AUSTRALIA RA; 0700,0839 EG, Nx, "Football"game, (4-Reporters)
15430 MEXICO RM; 0245 SP, Mx, Tk, "Cancion Mexicana" (Concannon 5/24)
15440 USA WYFR; 1623-1640 RS, Mx, Bible reading (McCants 5/10)

15445 LIBERIA VOA; 2117 EG, Live cmntry & tk on old jazz mx. (Valko 6/9)
15460 USSR R Tashkent; 1212 EG tk on Vietnam/China war. (Wilkinson 5/22)
1200-1230 EG ID, NX, Cmntry (Williams 5/27)
15465 PAKISTAN RP; 0605-0625 Urdu, OM"wailing", ID, Tk, Mx, (Jordan-Pa)
15485 ISRAEL RI; 2230-2300 EG, ID, Nx, Press Editorials, DZ pgm, (4-Rep);
0510-0515 EG, Temps, Highlights of Nx, into FR (Earhart 5/12)
15490 USSR RP&P; 1645 EG cmntry on public opinion. (Moon 5/20) (of what?-ed
15515 USSR R Yerevan; *2200 Armenian to 2259* (Behr 5/25)
15520 CHINA R Peking; 1230 EG Drama & local Mx, (Zilmer 5/20)
15520 USSR R Kiev; 0046-0055 EG, Ukranian folk Mx, Very good (Concannon)
15570 S KOREA RK; 2000, 2300 EG Nx & Cmntry to NAm (Behr 5/30, Zilmer 5/22)
15600 CHINA VODem Kampuchia; 0900-0942 Khymer, Tk & Mx (Behr 5/28, Valko)
15650 USA VOA-???; 0210 EG, Normal pgms, Is this a feeder or what? (Shaffer)
15680 AUSTRALIA RA; 0200 EG, Regular pgms, severe fading, (Witte 5/4)
15790 CHINA R Peking; 1035-1145 Lang, Radio Play (?) Oriental Mx, (Fraser)
15865 AUSTRALIA RA; (see LRD-3, June ed.) 15870 is RA's feeder on USB from Lyndhurst (listed)- apparently they are now using 15865. (Saylor)
17645 ISRAEL IBA; 2230-2300 EG, ID, "DX Corner", "Listeners Letters", News, (4-Reporters); 1639 Lang chanting & weird Mx. Not scd until 1745, (Brookwell 5/18); 2255+ Kol Yisrael noted here well over jamming till it quit at 2259, Very unusual for a KY EG pgm to be jammed!--perhaps because of a Jewish holiday? There was no jamming audible an HS simulcast 17630. (Hauser-Austria 5/31)
17650 CHINA R Peking; 0100-0130 SP, ID, Tk by OM & YL //17635 (Findlater)

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A few reporters are sending in typed sheets of loggings, not cut apart & their names are not on each seperate logging. I can't take the time to mark each as to who they belong to therefore no credit is given on these.

A little bit shorter section this month but many good loggings. Thanks to all of you who took the time to contribute.

73's to All Bob

* *

FOR SALE: FRG-7, $225, and Lafayette HA-600A, $100. Both in fine condition. Jim Beirs, 1011 N. Washington, Wheaton, IL 60187 or call 312-690-1855 after 2300 GMT. No collect calls, please.

FOR SALE: Panasonic RF-2200, $125. Zenith portable AM Multiband SW receiver, $55. Aimor TR 105 portable SW Worldwide receiver with AM/FM, $95. General Electric Monitor 10-band portable SW receiver with AM/FM, $65. All items in excellent condition and less than 6 months old. Prices include free delivery. Mel Ragucci, 215 Tiki Drive, Merritt Island, FL 32952. Phone 1-305-452-2502 (not collect, please).

ATTENTION, COLLECTORS! I'm selling early issues of DX bulletins, FRENDX, SWL, DX Horizons, etc. For complete list of issues send SASE to Alan H. Roth, 538 East 84th St. 1C, New York, NY 10028. Also have NC 190 with speaker for sale.

FOR SALE: Barlow-Wadley XCR 30 Mark II in excellent condition. Price $175 postpaid. Included in the price are many extras. Robert C. Wiles, 2525 Vance Avenue, Wheeling, WV 26003.

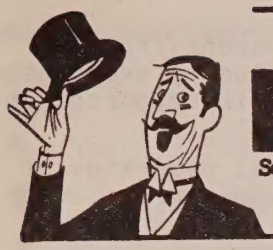
FOR SALE: Realistic DX-160, 2 years old, in good condition, with digital frequency readout and added selectivity filters, $170. KS Preselector in excellent condition, 1 year old, for use with DX-160, FRG-7, etc. $50. Palomar Loop Antenna with amplifiers and plug-in loop for 1600-5000 kHz tropical bands. Used 3 months, brand new condition, $80. Sony ICF-5900W in excellent condition, 2 years old, $85. All items include UPS. John C. Onken, 113 South Celina Street, Roanoke, IL 61561 or phone 309-923-7676 after 6:00 pm CDST.

FOR SALE: Panasonic RF-4800 LED SW receiver in mint condition, $385 includes UPS in original carton ($375 in San Diego Co.) Or will trade for FRG-7 plus $100. FRG-7 must be in good condition! Scott Tacoma, 4172 South Tropico Drive, La Mesa, CA 92041. I will bargain!

log report section E
17700 & ABOVE

David L. Walcutt -- Transitional Editor — SKYLAB EDITION

17700 USSR RM; 0100-0130 EG w/ID, nx, "Moscow Viewpoint" (Williams 5/12).
17710 HUNGARY RB; 0200-0230 EG & 0300-0330 EG to N.Am. (10 reporters).
*17710 USSR Radio Habana relay; *1500 AR, QRM Moscow FS, VOA (Behr 6/1).
17715 CHILE VOC; 1109-1118 EG w/ID, cmntry; poor (Earhart 5/25).
17720 FRANCE RFI; 1600-1656 EG, "Paris Calling Africa" w/my friend John Abraham (Lev 5/19); 1605 EG, PCA, Afr. nx (Gramarossa 6/6); 1632 EG, nx, mx requests (Dieckmann 5/27); 0830 FR, varieties (Klein 5/18).
17725 USSR R. Tikhiy Okean; *0710 RS, WWII highlights (Clark-AZ 5/12).
17770 NEW ZEALAND RNZ; 0302 EG, nx, lcl wx; het (Oakley-CA 5/3).
17785 FINLAND RF; 1435-1445 EG, Nordic wx, politics (Earhart 5/26).
17790 ECUADOR HCJB; 2130-2200 EG, DXPL (Earhart, Zilmer, Noonan).
17795 ITALY RAI; 0402 EG to Far East, new & music (Dieckmann 5/17).
17795 SWITZERLAND SRI; 1100 EG to Africa, nx; poor (Zilmer 5/28).
17800 FRANCE RFI; 0445-0600 FR, cabaret mx; //15135 etc. (Munster 5/31).
17800 TAIWAN VOFC; 0552 CH to S.E.As., oriental songs (Brookwell 5/29).
17810 PHILIPPINES FEBC; 0030 EG, nx to 0040, xmtr trouble (Johnson 5/29).
17825 MALTA Deutsche Welle; 1720 EG to S.As., nx (Moon 5/20).
17825 VATICAN VR; 1520 EG, cmntry on Jean Paul II (Dieckmann 5/11).
17840 CZECHOSLOVAKIA RP; 1545 EG, pop mx, world nx; poor (Gramarossa 6/6).
17840 NORWAY RN; 1400-1430 EG (Sunday), lbx; good (Johns-TN 5/13).
17840 VATICAN VR; 1725 EG/FR, cmnt; not //17825 (SP/PT) (Novello 5/27).
17847 PAKISTAN RP; 0330 Farsi, testing; checking tip from Dan Kosko of English at 0300-0310, not heard -- home service?? (Hauser nd).
17860 AUSTRIA ORF; 1230 EG, Austrian musical trip; //21610 (Zilmer 6/3).
17860 NEW ZEALAND RNZ; 0032-0615 EG, usual variety (7 reporters).
17885 PORTUGAL? RFE; *0200+ RS, "govorit R. Svobodna E." (Cunningham 5/24).
17890 TAIWAN VOFC; 0325 EG, ID, into CH, music (Jordan-PA 6/2).
17900 VATICAN VR; 1630+ multilingual pgm, Mass (Mann-Ont 5/27).
17920 EGYPT R. Cairo; 1348 AR, Arab mx; poor (Shaffer 6/6).
18225h COLOMBIA R. Sutatenza; 2300 SP, 3 x 6075 (George-TX 5/22).
18345h COLOMBIA La Voz del Llano; 2221 SP, ads, mx, 3 x 6115 (MacCollum).
18600h ALBANIA RT; 0143-0215 SP/AL, 3 x 6200 (Cunningham 5/24, Novello).
21485 VATICAN VR; 1115 EG, Pope's visit to Poland; poor (Zilmer 6/3).
21490 USSR RM; 0325-0530 EG to N.Am (Brookwell 5/19, Hartsell 5/17).
21500 GERMANY W. DW; 1100 EG to Afr., nx, cmt, mx; //21600 (Zilmer 6/3).
21525 AUSTRALIA RA; 0408-0600 EG/FR to Afr. (Gicker 5/26, Munster 6/5).
21540 GERMANY E. RBI; 1605-1617 EG, nx, cmntry (Dieckmann 5/28).
21540 RWANDA Deutsche Welle; 0945 EG, "Asian Report" (Moon 6/3).
21555 SWEDEN Home Service relay, SSB; 1403 Swedish (Munster 5/17).
21560 ITALY RAI; 1832 IT to Canada; fair; new fqy (Wilkinson 5/13).
21575 ISRAEL IBA; 0345 RS; //21495 much stronger (Behr 5/15).
21590 PAKISTAN RP; 0230-0245 EG, dictation-speed news; fair/good (Goldman 5/9, Johns-TN 5/13, Moon 6/4, Harrington 5/21).
21615 CZECHOSLOVAKIA RP; 1540-1600 EG, world nx, song hits, Middle East discussion (E.Hoffmann 5/15, Reynolds 5/28).
21630 UK BBC; 1344 AR, nx (Halsema 5/23); 1714 AR, songs (Brookwell 5/12).
21635 SWEDEN RS; *1230 EG to E.As., as of 5/29 (Gregory 5/31).
21645 FRANCE RFI; 1430-2118 FR, music; good (Reynolds 5/28, Halsema 6/2).
21655 PAKISTAN RP; 1105 EG, nx, ID, and shutdown after 1115 (Mulvey 5/31).
21675 ISRAEL IBA; 2230 EG; //21625, 21565; unlisted (Zilmer 5/23).
21730 NORWAY RN; 1353-1515 NO, nx, wx, requests (Halsema 5/18, 5/23).
21735 MOROCCO RTVM; 1630-0100 AR, Mideast mix (5 reporters).
21740 AUSTRALIA RA; 0045 FR, 0100-0245+ EG, pops, nx, good (5 reporters).
21755 PAKISTAN R. Pakistan; *1325 IS into 1330 Urdu, mx, f (Behr 5/13).
21799 USSR USB feeder; *1815 RS, nx?; poor (Brookwell-CA 5/30).
25650 UK BBC W.S. to Far East; 1120-1600 (Klein, Zilmer, Brookwell 5/18).
25790 SOUTH AFRICA R. RSA; 1456-1503 EG, nx, TC, headlines (Halsema 5/18).
25880 USA VOA-Bethany; 1609 unid lang to Africa; poor (Brookwell-CA 5/15).
29115 EGYPT R. Cairo; though I thought Algeria most likely source of this harmonic, a report in World DX Club Mid-Monther indicates it was Egypt which was heard here, 3 x 9705 (Hauser re: 3/31 report).



FRENDX GREDITS

Send your reports to: Dave Valko
Box 155
Dunlo, PA 15930

Deadline is the 12th

I hope that I didn't leave anyone out, but if I did, Sorry.

Brian ALEXANDER, Mechanicsburg, PA (RF-4900); Donald R. BAKER, Millsboro, DE (RF-4900); Bryan E. BARLOW, Sherwood, MI; Ernie BEHR, Kenora, Ont. (SPR-4); Larry BROOKWELL, San Diego, CA (DR-55/DX-300); Paul BUER, Miami, FL (SPR-4/FS-4); Leslie BYRON, Laurelton, NY (Patrolman 9); Michael CALDERWOOD, Denver, CO (FRG-7); Robert CLARK, Pheonix, AZ (XCR-30); James C. CLIFFORD, Tacoma, WA (FRG-7); Terry CONCANNON, Whittier, CA (RF-2200); Larry CUNNINGHAM, Columbus, OH (DX-300); William DAVENPORT, Nashville, TN (DX-160); Ron DESHMAN, Augusta, ME (R-300); Rev. M. DIECKMANN, Saint Louis, MO (DX-160); Kenneth A. EARHART, Allentown, PA (FRG-7); Gene EASTMAN, Huntsville, TX (FRG-7); Dale FISHER, Casper, WY (R-4B w/indoor Dipole); John M. FISHER, Chelmsford, MA; Robert FRASER, Cohasset, MA (XCR-30); Charles GEORGE, Dallas, TX (SSR-1); Jon GICKER, Nevada City, CA (FRG-7); Sholom GLIKSMAN, Chicago, IL (RF-2800); Cliff GOLDMAN, Houston, TX (RF-4800/DX-150); John GRAMAROSSA, Chicago, IL (FRG-7); Pete GYENIER, Sierra Madre, CA (FRG-7); Richard GREGORY, Erie, PA (DX-160); James J. HALSEMA, Washington D.C. (ICF-6700W); Rob HARRINGTON, Englewood, CO (SW4A w/40'wire); Harry L. HARTSELL, Lompoc, CA (FRG-7000); Editor Glenn HAUSER, Knoxville, TN (ICF-5900W/FRG-7); Baxter W. HENSLEY, El Paso, TX (SX-190); Charley HOFFMAN, Manheim, PA (FRG-7/DX-160); Emmett J. HOFFMANN, St. Louis, MO (Collins 51$-1/Galaxy R1530); Kenny JOHNS, Jackson, TN (SX-190/FRG-7); Douglas JOHNSON, Issaquah, WA (R-388/SP-600); Jack JONES, Jackson, MS; Rufus JORDAN, Pittsburgh, PA (Zenith Transoceanic); Fred JOSEPH Jr., Gretna, LA (SW-717); Dennis KELLY, Kansas City, MO (DX-160); Bill KISSANE, Chula Vista, CA (DX-160); S. D. KLEIN, Gainesville, FLA (DX-160); Terry L. KRUEGER, Casselberry, FL (QR-666/NC-183 w/80 +65' longwires); Michael LEV, Upper Saddle River, NJ; William H. MANN, Brantford, Ont. (SX-190); Mike MACCOLLUM, Indianapolis, IN; Donald MCCANTS, Trussville, AL (RF-2800); Eric MAYER, Ashland, OH; Scot MCCLELLAN, Battle Creek, MI (TFM-8000W); Richard MCVICAR, Prescott, Ont. (DX-160 w/65' aerial); Kevin L. MEYER, Lima, Peru (DX-160/Sanyo M2530K w/6 folded dipoles); Kevin MIKELL, Park Ridge, IL; Don E. MINOR, Tempe, AZ (DX-300); Terry MOON, Vista, CA (FRG-7); Don MOORE, Bellefonte, PA (XCR-30); James MULVEY, Seaford, NY (DX-160); Ralf F. MUNSTER, Decatur, GA (RF-4800/FRG-7); Tim NOONAN, Milwaukee, WI (SW-4A); Jay NOVELLO, Endwell, NY (RF-2800/XCR-30); Marjorie OAKLEY, Redondo Beach, CA (FRG-7); Jeff O'DONNELL, Mineral Point, PA (DX-40); John C. ONKEN, Roanoke, IL; Nick PAPPAS, Levittown, PA (SPR-4); Stephen E. PITTS, Salem, OR (FRG-7/GAR-7); George POPPIN, San Francisco, CA (FRG-7); Robert RANKIN, Lawrence, KS (FRG-7000); Bill REYNOLDS, Amherst, NY (SW4A/DX-40); Brett SAYLOR, Altoona, PA (DX-160); Jerry SCHMIDT, Eau Claire, WI (FRG-7); Steve SHAFFER, Hammond, IN (FRG-7); Dan SHEEDY, Cardiff, CA (FRG-7); Beverly SLOMKA, Brooklyn, NY (BCR-101); Todd SMITH, Wilton, CT; Leon TANNENWALD, Brooklyn, NY (SPR-4); Editor Dave VALKO, Dunlo, PA (DX-160); Jon WAITE, Winter Park, FL (RF-2200); Dave WALCUTT, Houston, TX (R-4B/HQ-180AX w/130' wire); William E. WATSON, New York, NY (ICF-5900W); George WILKINSON, Winnipeg, Man. (FRG-7/RF-2800); John WILLIAMS, Bloomington, MN (R-4C/R-4B/HQ-129X); Robert A. YAJKO, Leechburg, PA (SPR-4/RF-2800); Robert ZILMER, Milwaukee, WI (R-390A/SPR-4).

Sorry if your name happens to be out of order. It seems that alot of the members have the FRG-7 disease. HI! The F,R,G, and 7 keys on my typwriter are worn out. This is my first issue at Distribution Editor and I hope that it meets your approval. I mentioned above that alot of the members have FRG-7's, and I think that it would be a good idea for someone to make a survey of the most popular receivers, then get it (the survey) printed right here in FRENDX. Dave Dave 73's!

FOR SALE OR TRADE: Realistic Patrolman-9 receiver, 2 years old in excellent condition. $80. Also Heathkit SW-717 receiver, 4 years old, needs repairs and realignment. Will sacrifice for $25. I will also trade for either an ICF-6700W or RF-2800 portables. Harvey Pearson, P.O. Box 104, Greencastle, MO. Buyer must pay shipping on these items.

HELPING HAND: Former HAP Director and NASWA member "Bill" Paschke reports that he recently entered the ministry. His ministry is limited to the handicapped, disabled, shut-ins, and prison inmates, all of which is supported entirely by him.

To help support his ministry, he is offering for sale, several cassettes of SW idents, language examples, anthems, regional music, and a number of other subjects which would be of interest to the SWL.

Since we are not able to list prices and complete descriptions here, those interested can send a self addressed and stamped envelope to Rev. Richard G. Paschke, 855 Elm St., Beloit, WI 53511 for more information.

FOR SALE: Thirty-one back issues of SPEEDX, Jan. '77 to present, and 18 issues of ASWLC, Jan. '77 to June '78, assorted SWL books, Receiver/Equipment literature and spec sheets, Drake 300-HP filter, new Johnson Crank Spinner knob for R-388 and similar receivers, and co-ax antenna switch. $27 postpaid. Andrew Pappas, 11421 South Maplewood Avenue, Chicago, IL 60655.

FOR SALE: Heathkit GR-78 General Coverage Receiver recently aligned and checked by Heath. Includes manual and phones. Excellent condition, $70 including shipping. Bob Hughes, 2302 Briargrove Court, Richmond, VA 23233. Will send Xerox of specifications to interested persons for SASE.

FOR SALE: Barlow-Wadley XCR-30 Mk. II in mint condition with Radio West modified AM selectivity, new batteries, and prepaid UPS to you! Price $200. Bill Whitacre, 2609 Devonshire, Lansing, MI 48910 or call (517) 482-7996.

FOR SALE: SPR-4, crystals, noise blanker, calibrator, loop antenna AND FS-4 Synthesizer. Best offer over $550. Desperate! Rich Orloff, 109 Village Path, Lakewood, NJ 08701. Phone (201) 363-8061 2200 to 0200 GMT. No collect calls!

WANTED: Copies of WRTH for 1960, 1963, 1965 to 1968, 1970, 1972 and 1973. State year, condition and asking price. Terry Colgan, 8120 Ripplewood Drive, Austin, TX 78758.

FOR SALE: Colins 51J-3 (R-388/URR) receiver with SSB adaptor, "Q" Multiplier and enclosed cabinet. A first class set in very good condition. $450.00 F.O.B. New Orleans. E.J. Sandy Blaize, 417 Ridgewood Drive, Metairie, LA 70001. Phone (509) 834-8064. No collect calls. (Sandy is the Technical Topics editor for SPEEDX.)

HELP!! I am a new Realistic DX-160 owner and I would like some help in knowing how to determine the exact frequency on a DX-160. Urgent so I can get to do some decent DXing! Please write to Walter Swaim, 5233 S.W. 93rd Avenue, Cooper City, FL 33328.

WANTED: I need a coat pocket-size or smaller shortwave receiver with at least 6 - 12 MHz frequency range for use when I go to the field. Size is the important thing; I will modify for better performance. Does anyone know where I might get one? If you have any ideas, please drop me a postcard. Sincerely, Shawn A. Sabo, 19th Maintenance Company, APO New York 09165.

WANTED: External speaker (Lafayette Model HE48C or equiv.) for HA-600 and other Lafayette receivers without external speakers. Charles Mohr, Box 824, Port Chester, NY 10573.

FOR SALE: R-390A receiver modified with solid state power supply. Has Collins mechanical filters. Rig was serviced and aligned 6/79 and is in excellent condition. Unable to crate for shipping so pick-up only. Asking $575. Herb Shatz, 80-35 Springfield Blvd., Jamaica, NY 11427. Call (212) 464-8561 from 1400 to 0300 GMT.

FOR SALE: Kenwood R-300 receiver and manual in excellent, well-kept condition. One year old. $185 which includes shipping and insurance. Bill Algeri, 232 Creston Drive, West Mifflin, PA 15122. Phone (412) 466-2993.

I had intended to print detailed and precise instructions on how to hear and QSL Falkland Islands on this page, but I had to catch up with these Helping Hands. Sorry! Bill

PUBLISHER'S PAGE

NOTICE NOTICE

John Kapinos reports that response has been great to the scheduled July 22 Northeast area get-together at his home at 86 South Quinsigamond Ave., Shrewsbury, MA 01545 with several prominent DXers, including FRENDX, SPEEDX and NRC editors, expected in attendance. The meeting will begin around 10 AM and you may bring your own food and grog or, for a mere $2.00 donation, "Kap" will see that you don't starve to death. There are also several fast-food and convenience stores located within a five minute walk. For further information write to John at the above address or call 617-798-0378. You can also contact Bob Wirrell, 85 Stillman Avenue, Brocton, MA 02402, phone 617-588-6313.

HELPING HANDS

FOR SALE: Lafayette PF-300 UHF/VHF receiver with 30-50, 144-147, 450-471 MHz. No xtals necessary, completely tuneable. Also has five optional xtal positions. Wide and narrow selectivity. AC or 12v neg. Phone, rec, ext spkr, and 3 PL-259 jacks. Black metal cabinet. Absolutely mint after approx 1000 hrs. use. Manual included. Price $80 or swap for or towards preselector, BCB or SWL Loop Antenna, or other SWL accessories. Herb Shatz, 80-35 Springfield Blvd., Apt. 2M, Jamaica, NY 11427. Phone 212-464-8561 between 1400-0300 GMT.

FOR SALE: 4 kHz AM filter for Drake R4C. $35, cashier's check or Postal Money Order only. Jay S. Golden, 2043 W. Farwell, Chicago, IL 60645.

WANTED: Hallicrafters SW-500 and Hallicrafters S-120 in good condition and, if possible, with original handbook. Will pay reasonable prices plus UPS. Tom Mooningham, P.O. Box 8512, Camp Lejeune, NC 28542.

FOR SALE: Panasonic RF-4800 only 7 months old in mint condition with manual and head phone adaptor. $450 or best offer. I will ship UPS. Also a Realistic DX-160 in great condition. $80 includes UPS. Call Ben Snowden at 714-469-7815 after 0000 GMT.

FOR SALE: New R-390A. Need I say more? Need room in shack so it must be sold. $650 plus freight.
Hammarlund SP-600 completely reconditioned and retubed. An exceptional value at $350. Chuck Rippel, 3229 Turtle Rock Drive, Virginia Beach, VA 23452.

FOR SALE: Knight Span/Master 4-band general coverage SW receiver in excellent condition. $26 includes UPS. Also National Panasonic RF-1006 3-band AM-FM-SW receiver with moble power mount. Power is 4 "C" batteries. Frequencies: FM-87-108 MHz, AM-525-1605 kHz, SW-3.9-12 MHZ. Make an offer. WANTED: Hallicrafters S-76 General Coverage Receiver or Hallicrafters SX-25 GC Receiver or a Del Mar Modle SW-59 All Band Communications Receiver. Contact Richard D. Swanson, P.O. Box 349, Wellman, IA 52356 or call 319-646-6849 after 5:00 pm C.S.T. (No collect calls, please.)

FOR SALE: Hammarlund HQ -180A in excellent condition with manual. $400. Cdn. Also BC221 Frequency Generator in excellent condition with calibration charts -115 VAC. $60. Cdn. Mr. Lynn Hilborn, 352 Ridley Blvd., Toronto, Ontario, Canada M3H 1L4. (633-6608).

FOR SALE: SPR-4, AC/DC cords, FS4 Synthesizer, NB, Cal, and Partridge Joy-match antenna. $700 plus UPS takes all. Rich Orloff, 109 Village Path, Lakewood, NJ 08701. Phone 201-363-8061 before 0200 GMT.

FOR SALE: Yaesu FRG-7 Mark I modified by Grant Manning to include 100 kc xtal calibrator and 2.9 kc Collins Mechanical Filter. Mint condition. $350. Tim O'Hare, 20023 84th Ave. W., Edmonds, WA 98020.

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